





THE
GRAY and WHITE
MATTER

1967

**The
Bowman Gray
School of Medicine**

Gray Matter

**North Carolina
Baptist Hospital
School of Nursing**

White Matter

1967

GRAY MATTER

volume 23



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of the Bowman Gray
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Winston-Salem, North Carolina.

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ON THE COVER: The Medical Center is pictured
as it will appear upon completion of the present
expansion plans.



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Dedication to Dr. Walter J. Bo



September, 1963. A Monday. 8 A.M. Room 473.

Can it really be as bad as they say? "YES." We made it . . . nobody fainted. Tuesday, 1 P.M. . . . Here we go, it's greasy and what an odor! Thursday, 5 P.M. . . . We're three days behind, and we've only had two assignments. Saturday, 8 A.M. . . . table quiz. I don't care if he wouldn't harm a flea — he scares me. Who'd we get? . . . Hurray . . . Finally, I'm done. If you know it, you know it; if you don't, don't bluff . . . Sure, but he knows. Here he comes . . . I'll collapse. HERE. Now. *All right now, show me the lateral femoral cutaneous nerve.*

On and on. *Okay you guys, clean up.* Through September, working more; sleeping less. "That's not trash, it's superficial fascia." Yeah, yeah, and it's supposed to have nerves in it, but the only place you ever see them is on practicals. Did you know he has three papers in the reference list at the end of Gray's chapter on the female pelvis? "Oh, really? What on?" . . . The rat uterus . . . "Well, I suppose somebody has to work on it."

October. The grind continues. No staying in lab after 10 P.M. Can a professor be a Bear? . . . I guess so; this one is. Let's go . . . Gustapo session. *Tell me about the thyroid ima.* "What's that?" *Whaddya mean, you don't know . . . Why didn't he ask me THAT question?*

November. He still scares me, but I'm beginning to like him. What's his background? "Marquette B.S. and M.S.; University of Cincinnati Ph.D. Taught at North Dakota before he came here."

December. Christmas party. We sure can't sing. Good host; how can he be so nice? I thought so . . . he has a heart . . . really touched by the hat.

January. Home stretch, thank goodness. Twenty more minutes. Nice of them to have plenty of ashtrays, but I can't find the end of my cigarette . . . the match won't hold still! Please, no questions on the arm. Is he satisfied? . . . Over . . . Passed!

October, 1964. Anatomy. What's that??? Why did we have to take it?

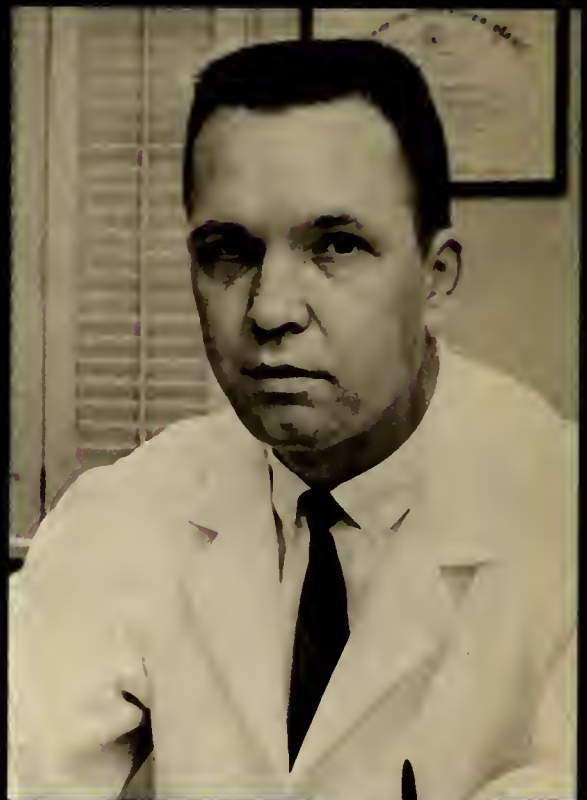
December, 1965. Say, that must be the arch of Riolan. He drummed that into me, probably forever.

December, 1966. Time to dedicate the year-book. Seniors reflect . . . and select. He really is a good teacher, and a great guy. Dedicated to the student . . . Not many are. Dr. Walter J. Bo. Thank you, Dr. Bo, from all of us . . . Thanks, Bear . . .

Tribute to .
Dr. LeRoy Crandell
1924 - 1966

"... This light and path of faithfulness, belief and honor in fulfilling goals he believed to be the best concepts of medical progress and medical humanities is a source of one of our major strengths. The idea of dedication, identified with many other scientists of the past, was personified in his every action within his own professional field.

A monument and edifice is too small to communicate the personal ideas and concepts of this noble, gentle, and courageous man."



Oath of Hippocrates

I swear by Apollo Physician, by Asclepius, by Health, by Heal-all, and by all the gods and goddesses, making them witnesses, that I will carry out, according to my ability and judgment, this oath and this indenture:

To regard my teacher in this art as equal to my parents; to make him partner in my livelihood, and when he is in need of money to share mine with him; to consider his offspring equal to my brothers; to teach them this art, if they require to learn it, without fee or indenture; and to impart precept, oral instruction, and all the other learning, to my sons, to the sons of my teacher, and to pupils who have signed the indenture and sworn obedience to the Physicians' Law, but to none other.

I will use treatment to help the sick according to my ability and judgment, but I will never use it to injure or wrong them. I will not give poison to anyone though asked to do so, nor will I suggest such a plan. Similarly I will not give a pessary to a woman to cause abortion. But in purity and in holiness I will guard my life and my art. I will not use the knife on sufferers from stone, but I will give place to such as are craftsmen therein.

Into whatsoever houses I enter, I will do so to help the sick, keeping myself free from all intentional wrong-doing and harm, especially from fornication with woman or man, bond or free.

Whatsoever in the course of practice I see or hear (or even outside my practice in social intercourse) that ought never to be published abroad, I will not divulge, but will consider such things to be holy secrets.

Now if I keep this oath and break it not, may I enjoy honor, in my life and art, among all men for all time; but if I transgress and forswear myself, may the opposite befall me.

**I swear by Apollo Physician, by Asclepius . . .
that I will carry out, according to my ability
and judgment, this Oath and this indenture:**



**To regard my teacher in this art as equal to
my parents . . .**



**I will use treatment to help the sick
according to my ability and judgment, but I will
never use it to injure or wrong them . . .**



**. . . in purity and holiness I will guard my
life and my art.**




**Into whatsoever houses I enter, I will do so
to help the sick . . .**



**Whatsoever in the course of practice I see
or hear that ought never to be published abroad,
I will not divulge . . .**







**Now if I keep
this Oath and
break it not,
may I enjoy
honor, in my
life and art,
among all men
for all time . . .**

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1.



2.



3.



4.

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3.



4.



5.



6.



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7.

THE SCIENCE

preclinical
departments
graduate
students



1.



3.

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Professor
2. NORMAN M. SULKIN, Ph.D.
*William Neal Reynolds
Professor of Anatomy*
3. LOUISE ODOR, Ph.D.
Associate Professor
4. CHARLES E. McCREIGHT, Ph.D.
Associate Professor
5. JOHN R. KENNEDY, Ph.D.
Assistant Professor

| Anatomy



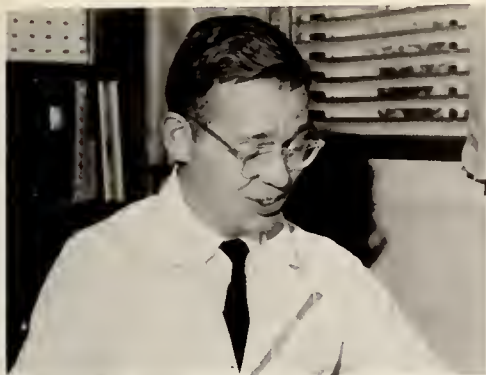
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5.



1.

Biochemistry



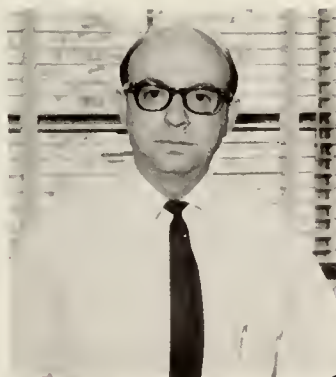
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3.



4.



5.



6.



7.



8.

1. CORNELIUS F. STRITTMATTER, Ph.D.
Odus M. Mull Professor of Biochemistry
2. HUGH B. LOFLAND, Ph.D.
Associate Professor
3. FRANK H. HULCHER, Ph.D.
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5. ALVIN H. GOLD, Ph.D.
Assistant Professor
6. ROBERT W. COWGILL, Ph.D.
Associate Professor
7. CHARLES N. REMY, Ph.D.
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8. ARTHUR WAINER, Ph.D.
Assistant Professor

Microbiology |



1.



2.



3.



4.



6.



5.



7.

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Associate Professor
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Assistant Professor
5. JEAN D. ACTON, Ph.D.
Assistant Professor
6. HENRY DREXLER, Ph.D.
Assistant Professor
7. EVA S. LEAKE, M.S.
Research Assistant Professor



1.

| Pathology



2.



3.



4.



5.



6.

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5. IVAN L. HOLLEMAN, M.D.
Assistant Professor
6. MODESTO SCHARYJ, M.D.
Assistant Professor
7. ZELMA A. KALNINS, M.D.
Assistant Professor



7.



1.



3.



2.

1. WILLIAM J.
REEVES, M.D.
Instructor

2. FRANKLIN B.
WILKINS, M.D.

3. J. RUPERT
RAVENS, M.D.
Assistant Professor

| Pathology

pathology house officers

ELIZABETH
MAYNARD, M.D.
Resident
NORMAN WHITE, M.D.
Resident
HUGH ALTVATER, M.D.
Resident

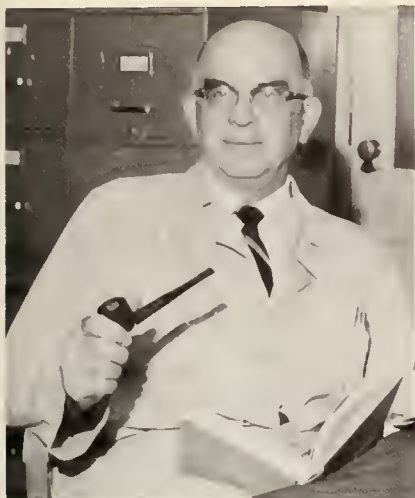


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Resident



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Resident
JANE GADAE, M.D.
Resident
DEE MCFARLAND, M.D.
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1.



2.



4.

Pharmacology



3.



5.



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Assistant Professor
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Instructor

Physiology |

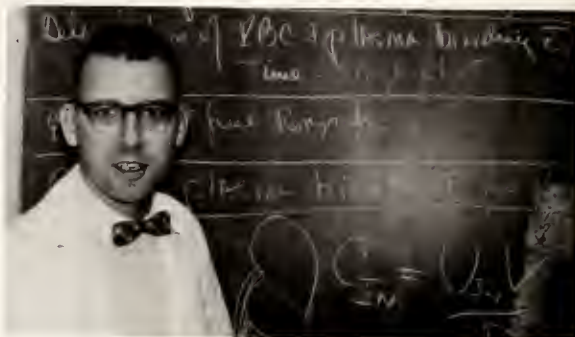
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Instructor
9. MACK F. PARSONS, B.S.
Laboratory Assistant



1.



2.



3.



4.



5.



6.



7.



8.



9.

Preventive Medicine and Genetics



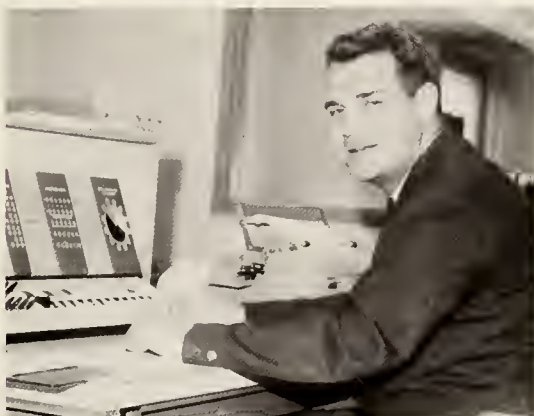
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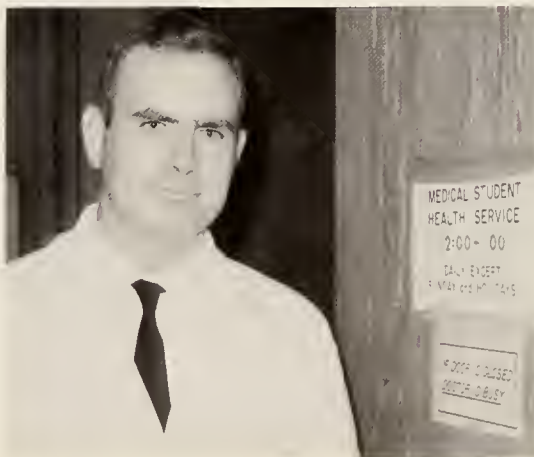
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5.

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Professor
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Assistant Professor
5. L. EARL WATTS, M.D.
Student Health

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RILEY DAVIS
FRANCES HAMMETT
JAMES GILL



Biochemistry

ROBERT BROYLES
JOHN NEWKIRK
JOSEPH DAUTLICK
JERRY SIPE
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MING SHIH
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DOYLE EVANS
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PHILLIP HUTCHINS
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REGINALD CARTER
CAMILO PORCIUNCULA, M.D.



Physiology

GERALD LACKEY
DAVID ROBINSON
NILS KJOSNES
HENRY HAIGLER

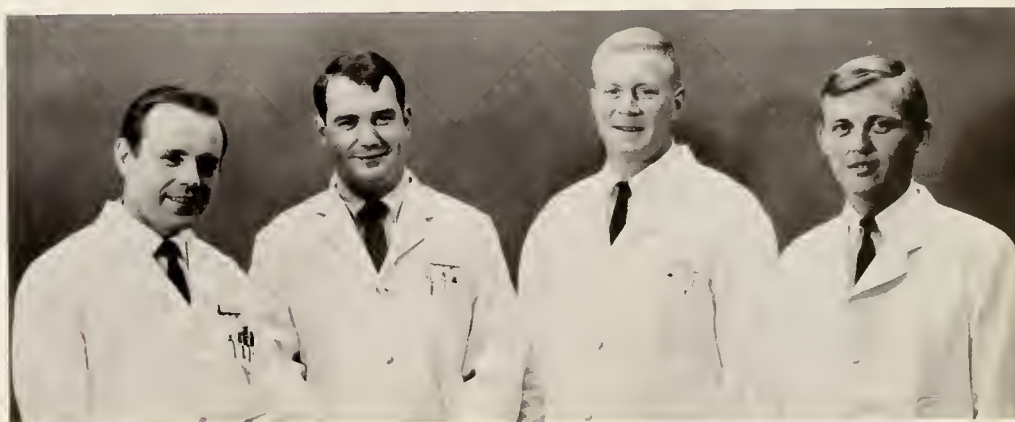


Laboratory

Animal

Medicine

PATRICK MANNING, D.V.M.
ROBERT WOLF, D.V.M.
WILLIAM WEBSTER, D.V.M.
KEITH BANKS, D.V.M.



THE ART

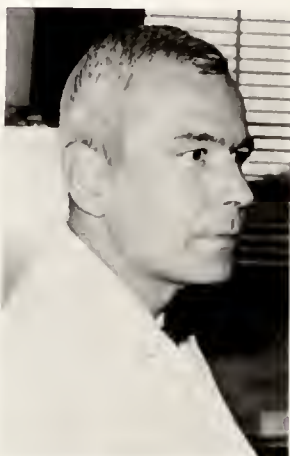
clinical
departments
house officers

Medicine |

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1.



2.



3.



4.



5.



1.



2.

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Assistant Professor
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Assistant Professor
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Associate Professor
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Associate Professor



3.



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medical house officers

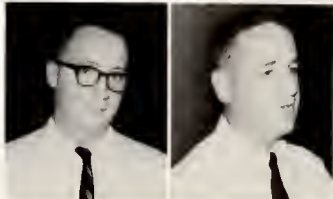


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M.D.
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Resident

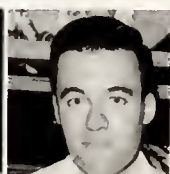
PAUL
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Resident
LAMAR
ADAMS, M.D.
Resident



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Intern
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Intern
ROBERT TURNER, M.D.
Intern

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CHARLES ZERNECHEL, M.D.
Intern
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Intern

AMON FUNDERBURK, M.D.
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JAMES YOPP, M.D.
Intern
DAVID SHANKS, M.D.
Intern



JOSEPH
HEDGPETH, M.D.
Intern
JAMES
DEVLIN, M.D.
Intern

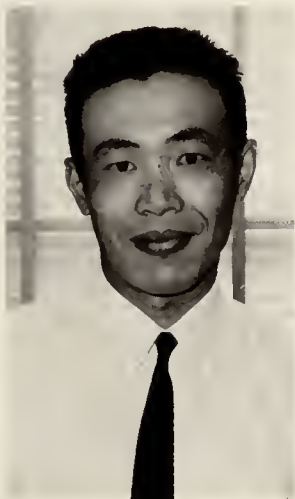


1.

Neurology



2.



3.



4.



5.



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2.



3.



1.



4.



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6.



7.



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STEPHEN
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Fellow



BLUCHER
TAYLOR, M.D.
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HUGH
FARRIOR, M.D.
Resident



ROBERT
DACUS, M.D.
Resident

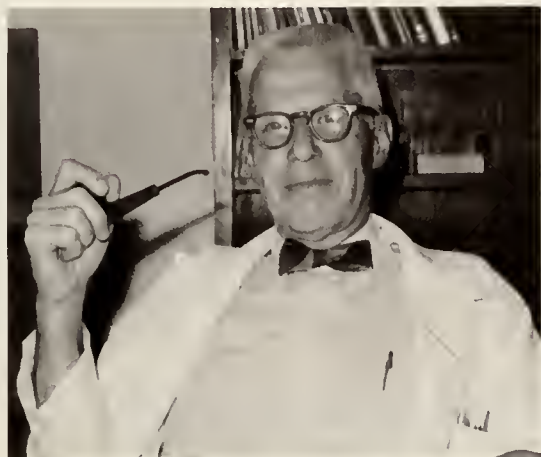


KENNETH
OLIVER, M.D.
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PERRY
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Pediatrics |



1.



2.



3.



4.



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1.



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HANCOCK, M.D.
Instructor

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SANDERS, M.D.
Instructor

4. LAWRENCE F.
CONANT, Ph.D.
*Assistant Professor
(Psychology)*



3.



4.

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Resident
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Resident
ROBERT CHAMBERS, M.D.
Resident
WILSON BOWERS, M.D.
Resident



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ROGER STEVENSON, M.D.
Intern
DARRELL THORPE, M.D.
Intern
KARL STEVENSON, M.D.
Intern



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1.



2.



3.



4.



5.



6.

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Associate Professor



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Instructor
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Instructor
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Assistant Professor

1.



2.



3.



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M.D.
Resident



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DEARMAS, M.D.
Resident



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JOHN SCHULTZ, M.D.
Resident
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Resident
TED ROPER, M.D.
Resident



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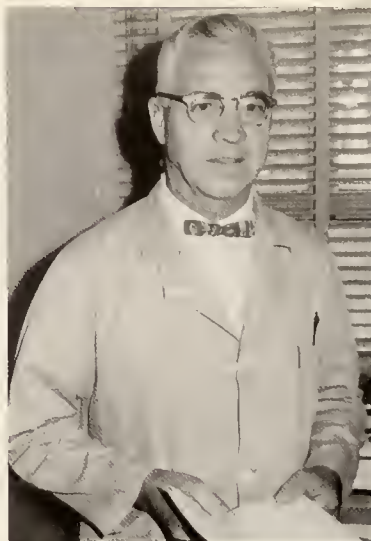
EMMETT BEARDEN, M.D.
Resident
TORRENCE HANNER, M.D.
Resident
NANCY WHITLEY, M.D.
Resident



General Surgery |



1.



2.



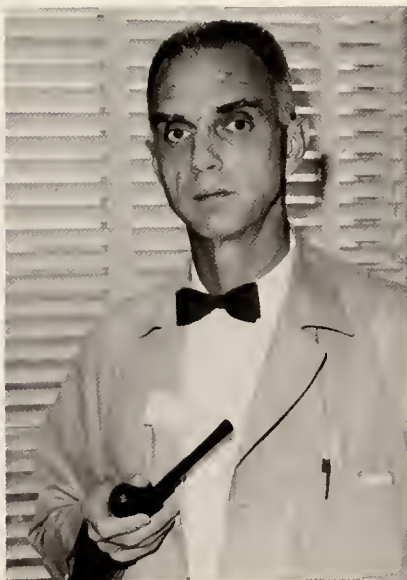
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5.



6.

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Professor and Chairman
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- 5 TIMOTHY C. PENNELL, M.D.
Instructor



1.



2.



3.



5.



4.

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RICHARD HANCOCK, M.D.
Chief Resident
DAVID NELSON, M.D.
Chief Resident
GEORGE PODGORNÝ, M.D.
Resident



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PAUL GWYNN, M.D.
Resident
JAMES LINDER, M.D.
Resident
JASPER PERDUE, M.D.
Resident



surgery house officers

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DAVIS, M.D.
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PAUL
GENIEC, M.D.
Resident

JOHN
CALOGERO
M.D.
Resident
MARTIN
KORNREICH,
M.D.
Resident



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MICHAEL STEIN, M.D.
Intern
FRED PICKLESIMER, M.D.
Intern



CHARLES SIMPSON, M.D.
Intern
GROVER MIMS, M.D.
Intern
VAN NOAH, M.D.
Intern



JAMAL KHAN, M.D.
Research



1.

1. EBEN ALEXANDER, M.D.
Professor and Chairman

2. COURTLAND H. DAVIS, M.D.
Professor

3. DAVID L. KELLY, M.D.
Assistant Professor



2.



3.

Neurosurgery



LOUIS PIKULA, M.D.
Chief Resident



JACK SMITH, M.D.
Resident



LOWELL
ROSMAN, M.D.
Resident



RICHARD
WEISS, M.D.
Resident



KENNETH
LASSITER, M.D.
Resident

Psychiatry |

1. RICHARD C. PROCTOR, M.D.
Professor and Chairman
2. MARCUS M. GULLEY, M.D.
Assistant Professor
3. JOSEPH J. CUTRI, M.D.
Assistant Professor
4. ANGUS C. RANDOLPH, M.D.
Associate Professor
5. WILLIAM S. PEARSON, M.D.
Instructor
6. JOHN P. UMBERGER
Instructor (Psychology)
7. JOHN M. PIXLEY, M.D.
Instructor



1.



2.



3.



4.



5.



6.



7.



RICHARD SPENCER, M.D.
Resident
ROBERT COFFEY, M.D.
Resident
JOHN LASHLEY, M.D.
Resident



1.

Urology



2.



3.

1. WILLIAM H. BOYCE, M.D.

Professor and Chairman

2. FRED K. GARVEY, M.D.

Professor

3. CLAIR COX, M.D.

Assistant Professor

4. WILLIAM G. MONTGOMERY, M.D.

Instructor

5. J. STANTON KING, Ph.D.

Research Associate Professor



4.

GEORGE DRACH, M.D.
Resident
DAVID BARNHOUSE, M.D.
Resident



5.



FRANK O'CONNOR, M.D.
Resident



SUSHIL LACY, M.D.
Resident



VERNON SMITH, M.D.
Resident

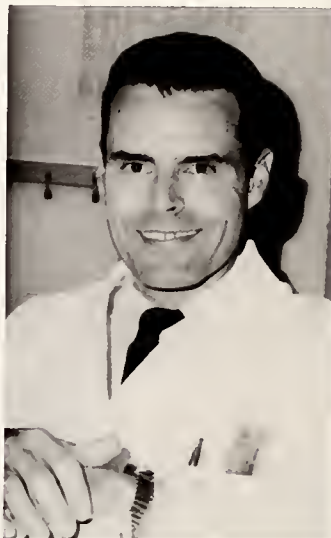
Orthopedics |



2.



3.



1.



4.

1. JOHN T. HAYES, M.D.
Professor and Chairman
2. J. FRANCIS FORSYTH, M.D.
Professor
3. HOMER A. PASCHALL, M.D.
Assistant Professor
4. DAVID D. ANDERSON, M.D.
Assistant Professor
5. EDWIN H. MARTINAT, M.D.
Associate Professor



5.



JAMES
SANDERS, M.D.
Resident
RICHARD
ADAMS, M.D.
Resident



GEORGE
MORRIS, M.D.
Resident



RENATO
LAPIDARIO, M.D.
Resident



JOHN
PACKER, M.D.
Resident



REMBERT
McLENDON, M.D.
Resident



1.

Othorhinolaryngology



2.



3.



4.

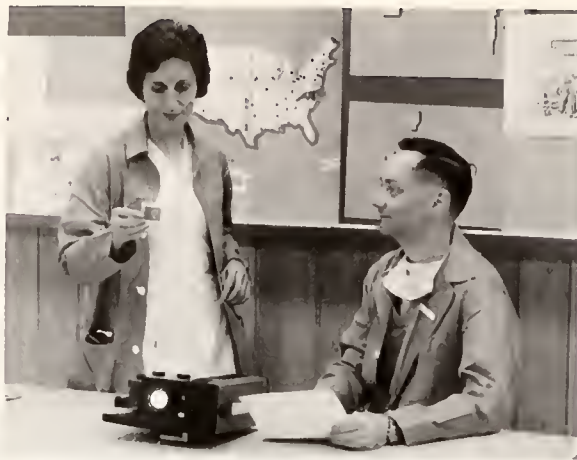


5.

1. JAMES A. HARRILL, M.D.
Professor and Chairman
2. ROBERT D. OLSON, Ph.D.
Assistant Professor
3. JOHN R. AUSBAND, M.D.
Associate Professor
4. DONALD F. BYNUM
Audiologist
5. JOHN I. DALLAND, Ph.D.
Research Assistant Professor

PHILLIP AWTREY, M.D.
Resident
BILL KITTRELL, M.D.
Resident
ERNEST MURDEN, M.D.
Resident





JOHN W. C. FOX, M.D., *Assistant Professor*
ELISABETH J. FOX, M.B., *Instructor*

| Anesthesiology



JOSE COPPEN, M.D.
Fellow



HENRY
TURNER, M.D.
Resident
EDGAR
CHANDLER, M.D.
Resident



1.

| Ophthalmology



2.

1. R. WINSTON ROBERTS, M.D.
Professor and Chairman
2. J. WILLIAM ROGERS, M.D.
Assistant Professor
3. RICHARD G. WEAVER, M.D.
Associate Professor



3.



CHARLES
DUNCAN, M.D.
Resident



GEORGE
BAISE, M.D.
Resident



LOUIS
GOTTLIEB, M.D.
Resident



CHARLES
TRADO, M.D.
Resident



GEORGE LYNCH
Professor



TOM WEBSTER



JACK DENT



DON POLLY



BEN MORTEN



LEONARD MILLER



JACK BODENHAMER



DEANNA WILLIAMS



CHERYL JOHNSTON

Medical Illustration

Biomedical Engineering



FREDERICK L. THURSTONE, Ph.D.
Associate Professor

Laboratory Animal Medicine



THOMAS B. CLARKSON, D.V.M.
Professor and Chairman



BILLY C. BULLOCK, D.V.M.
Assistant Professor

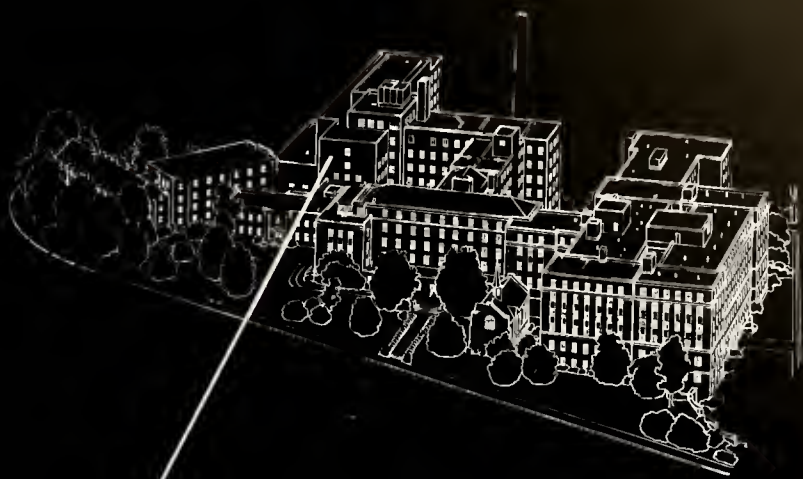


NOEL D. LEHNER, D.V.M.
Instructor

FEATURES

**THE
MEDICAL
CENTER**

**THE
MEDICAL
STUDENT**



THE MEDICAL CENTER

TWENTY-FIVE YEARS OF PROGRESS

In the late 1930's, Wake Forest's School of Medical Sciences was being readied for the junkyard. Times were hard and, according to some cynics, the A.M.A. was giving two year medical schools the ax to better the doctor-dollar ratio.

But a straw was in the wind and Dr. Coy C. Carpenter, dean of the school, reached for it. The trustees of the Bowman Gray Foundation were offering all their principal and accumulated interest to a medical school willing to: (1) move to Winston-Salem, and (2) enlarge to a four year school. Having been turned down by the University of North Carolina at Chapel Hill, the trustees were convinced, with the aid of Odus M. Mull, to make the same offer to Wake Forest. They did on August 2, 1939, and before the Grays could think twice, on August 3, 1939, the college trustees said yes.

The Bowman Gray offer was no gold mine — only \$750,000 — which was somewhat less than the \$5 million Dr. Carpenter imagined he might get and a tad shy of the \$10 million the A.M.A. estimated as the cost of converting to a four year school. But Dr. Carpenter persevered. He brought with him the

core of a faculty: Camillo Artom, Loren Christian, C. S. King, Roland Miller, Robert P. Morehead, N. C. Thomas, H. M. Vann, and Herbert Wills. He used Wake Forest alumni feeling to get Wingate Johnson and Felda Hightower, and his own salesmanship to bring Howard Bradshaw, Frank R. Lock, and Tinsley Harrison. He also wangled a loan to get a school building constructed. At the same time the N. C. Baptist Hospital Board of Trustees set about to enlarge the bed space from a puny 82 to an acceptable 300. On September 10, 1941, the first 73 students began their studies at the Bowman Gray School of Medicine.

With a first-year budget of less than \$115,000 and with little reserve, the school's position was precarious. However, after World War II there were some glimmerings of a more certain future. Most of the glimmers were "green." James A. Gray gave \$1 million to the school as an endowment, Mrs. Nathalie Bernard presented the Graylyn Estate to the school, and Gordon Gray and Bowman Gray, Jr. gave \$125,000, the first of many substantial gifts on their part.



The main house of Graylyn Estates houses the Developmental Evaluation Unit of Bowman Gray School of Medicine.



Construction of the James A. Gray building began in 1955 and was the first step in the expansion of the medical school.

Such awards helped keep the school from drowning while, as Chester A. Davis has noted, a second set of factors moved in, namely the increased role of the federal government and large private foundations in supplying money for research, the recognition of the need for more physicians in the United States, in general, and North Carolina in particular, and finally, the transfer of Wake Forest College to Winston-Salem and the establishment of a graduate school. These factors helped the school keep its head above water.

The first expansion decision on the part of the medical school came in 1955, and in 1958 the move was made to the James A. Gray building, while work continued on the research center building. This expansion was completed in 1960 with the opening of the new research wing. Faculty growth continued along with the physical enlargement, and in 1960, Mrs. Nathalie Gray Bernard and Mrs. Anne Reynolds Forsyth donated \$500,000 for the establishment of the first three "named" professorships (the Gordon Gray, William Neal Reynolds, and Odus M. Mull Chairs). Since the school's inception, the number of full-time faculty members has risen from seven to 144.

There was no fireworks display or gigantic hoopla to mark this year's quarter-century point in Bowman Gray's history. The school is still not rich enough for extravagance. Instead, continuing efforts were concentrated on fulfilling this center's functions of education and service to the interdependent communities of medicine and the public.

In the area of post doctoral education, for example, one of the year's high points was a symposium on "Emergency Medical Care" held during the annual Medical Alumni Association reunion.

Also on the 25th anniversary calendar were seven lectures by nationally and internationally known physicians and medical scientists from as far away as Sweden and California. They came as part of the Z. Smith Reynolds Foundation Distinguished Lecture-ship Series.

Meanwhile, impressed with today's need "to run full speed ahead to stand still" as Dr. Manson Meads, present dean of the school has put it, new expansion plans were being drawn up, and faculty and student efforts to broaden their knowledge continued at an unprecedented pace, as can be seen on the following pages.

FOCUS ON RESEARCH

Nathan M. Pusey has noted that institutions of higher education have tasks "to know, to study, to care, to guide, to seek to know all that has been learned and is of concern to men, to keep this knowledge viable, to have it studied and taught, to add to it — and in so doing, by a myriad of separate efforts to increase mind's influence in the world."* It is toward such aims that research at Bowman Gray is dedicated.

Among the most pioneering efforts at this school has been the establishment of a Behavioral Sciences Center, the existence of which is a testament to the energy and foresight of Dr. Frank R. Lock and Mrs. Ethel Nash. During 1966, approximately one million dollars was awarded for the purpose of turning their visions into reality.

Called the first large-scale plunge into a wide open area of research and training" by Dr. Clark E. Vincent, director of the unit, the Center's programs are intended to train medical and non-medical educators to deal with marital and family life problems and to formulate methods whereby these instructors can reach the general public. Currently, with the support of a \$370,000 Ford Foundation grant, the Center is involved in a five year study aimed at making birth control more palatable to low income families. The program is developing and testing birth control procedures for use in the United States and possibly overseas.

Another major award, \$588,000 from the National Cancer Institute, was granted to develop Bowman Gray as a major center for cancer research and training. Dr. Charles L. Spurr, professor of medicine, is director of the program which offers instruction at four levels for physicians who have completed basic clinical training. Traineeships range from visitorships of one day to several days to fellowships of one to two years. Dr. Jesse H. Meredith, associate professor of surgery, serves as assistant director.

Plans for the addition of new faculty members particularly qualified in the area of cancer are also part of the program. In addition, the curriculum in cancer for medical students and house officers will be strengthened.

In another phase of the "killer disease" program, two federal grants totaling over \$660,000 have been awarded to establish a major stroke center here. Directed by Dr. James F. Toole, professor and chairman of the Department of Neurology, aims of the center will include development of special training programs for physicians in the diagnoses and treatment of cerebral vascular diseases and further research on prevention, causes, and treatment of these diseases.

Dr. Richard L. Burt, professor and chairman of the Department of Obstetrics and Gynecology, is director of the Bowman Gray Clinical Research Center which began its efforts this year with an



Dr. Charles Spurr, director of cancer research, and senior student John Rozier observe the changes in leukemic bone marrow following chemotherapy.

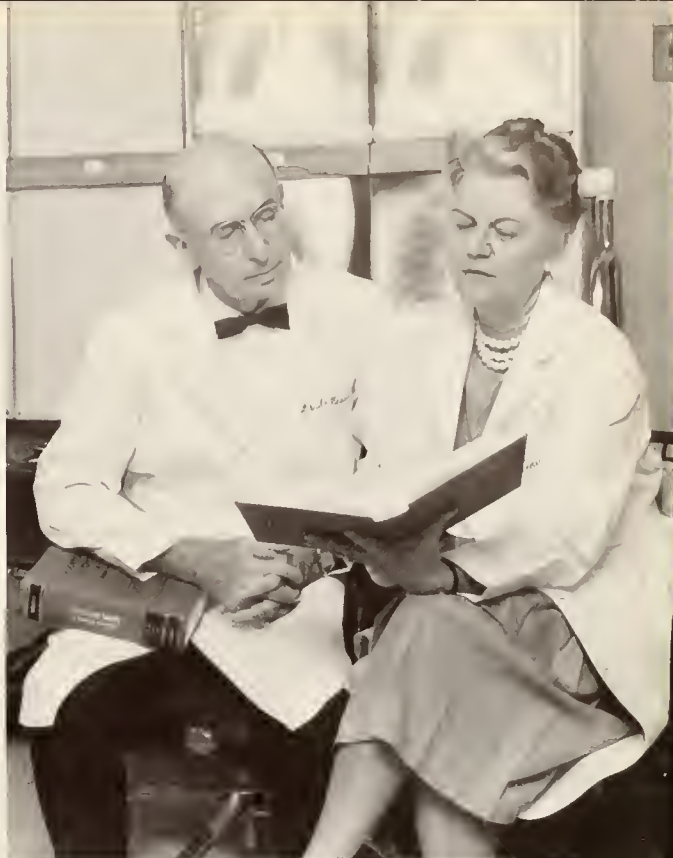
initial grant of \$282,920 from the National Institutes of Health. The Center is available to all members of the medical faculty for exhaustive examination of patients with special disabilities.

Library purchase more than quadrupled this year relative to last year, due to a \$95,000 award from the John and Mary Markle Foundation given to help Bowman Gray keep pace with the knowledge explosion. Two-thirds of the grant, which must be spent within three years, will go toward textbooks, the rest toward strengthening the serials collection.

Dr. Manson Meads, dean of the medical school, has pointed out that a library is "the heart of the educational and research programs of any institution of higher learning." The increased buying power plus the utilization of a new teletype system which ties together the library of Bowman Gray with the libraries of six other medical schools (Duke, University of North Carolina at Chapel Hill, University of Virginia, Medical College of Virginia, University of Kentucky, and University of Louisville) allowing each access to the other's holdings, should play an important role in keeping these programs viable.



Dr. Richard Burt studies the plans of the proposed clinical research unit to be located off Third Main.



The Drs. Meschan review the first edition of their new textbook, *Roentgen Signs in Clinical Practice*.

Two of the volumes added to the library came from the prolific pens of the Doctors Meschan (Isadore and R. M. F. Farrar). Entitled *Roentgen Signs in Clinical Practice*, the two-tome text is the culmination of years of learning, teaching, and dedication. It is directed, as the preface points, toward building a bridge between radiology and the general fields of medicine and surgery and toward aiding all who study x-ray films in reaching a logically derived differential diagnosis.

Time and space prevent us from listing all of those who have made contributions during the past year. However, these two limiting factors do not keep us from offering a moment of thankful recognition to the members of mind's myriad army working at Bowman Gray.

* Pusey, Nathen. *The Age of the Scholars*. (Cambridge, Mass. Belknap Press of the Harvard University Press, 1963). pp. 93-96. Quoted with the permission of the Belknap Press.



The Medical Center is shown above as it will appear upon completion of the present expansion plans.

EXPANSION HIGHLIGHTS THE FUTURE

Expansion highlighted medical center programs this year. Increased demand for medical services due to population's rapid expansion, higher standards of living, advances in medical knowledge, and new health legislation have magnified the already less than ideal U.S. doctor-patient ratio and have increased the number of physicians required for specialized services of research and teaching. The necessity for new facilities is clear.

Present efforts to meet these needs at Bowman Gray, with enlargement of facilities, faculty, and student enrollment, represent the second phase of plans begun in 1958 at a Roanoke, Virginia, meeting of the medical school faculty. Major elements of this phase include an 86,000-square-foot addition to the medical school, a 14-floor addition to the clinical facilities, a centralized paramedical education building, a 400-seat auditorium, a power plant, and renovation of existing structures. Thereby, the medical center's size will increase by 80 per cent, the number of beds from 483 to 717, and the number of medical students from 55 to 76.

Innovations abound in the new plans, reflecting changing ideas as to organization and use of medical school and hospital facilities. Multidiscipline laboratories will occupy two floors of the new medical school, serving as a home base for first and second year students. Each person will have a place for books, materials, and study which will be available

24 hours a day.

Television will be more extensively used in the new school. Portable cameras covering operations or experiments will relay to class rooms or to the amphitheater adjacent to the new school building. Video tape will be used to preserve illustrative cases for future use. Perhaps some day a student will be able to go to a video tape library and broaden his clinical experience with classic material stored over the years.

Hospital building plans call for changes, too. Surgery will be brought down to earth with a new first floor, 17-room, operating suite, an 18-bed recovery ward, and a 10-bed intensive care unit. The blood bank will be immediately adjacent to the surgical area, and radiologic, cast room, and emergency room facilities will also be located on the first floor to enhance efficiency.

Pediatrics will relocate by taking over the entire second floor of the south building, raising the total number of beds to 72. Obstetrics will not increase its pre or postpartum bed count since its patient load has been relatively fixed over the past five years. However, obstetrical space will undergo extensive renovation. Medicine will gain exclusive use of the present intensive care unit.

Present operating rooms areas will be converted to a patient rehabilitation center. This is but one of the new nursing units, others being a 39-bed psy-



Dr. Cornelius Strittmatter and the architect discuss the future biochemistry facilities.

chiatric section (which will include a patient dining room and recreational therapy area) and a clinical research service. A hyperbaric chamber will be built primarily for research purposes.

There will be a special place in the new OPD area for a medical student outpatient service. A student will follow his own patient from first clinic visit to last, will decide (under faculty supervision) what treatments, diagnostic procedures, and referrals are needed, and will accompany his patient on the journey he has mapped out for him. By this method it is hoped that the students will gain a feeling of total medical care.

Conveyor belts, pneumatic tubes, and "beepers"

are three gadgets planned for the future. The first two will be used to send supplies, such as fluids and diagnostic trays, to nursing stations, thereby decreasing hall traffic and increasing speed of delivery. The "beepers" will be housed in cigarette package sized cases to be carried by house officers and certain faculty members. Instead of being paged by name, they will be reached by the "beep."

"This is a fantastic time to be alive in medicine." Such sentiments of optimism and enthusiasm are often heard in medical circles today. Certainly they have special meaning as the expansion program at the medical center gains momentum.

THE MEDICAL STUDENT

FOUR YEARS OF PREPARATION

pathology: the basis of clinical medicine

Intermediate tumors . . .



and Rocky Mounted Spottin' Fever.



the freshmen start out to learn it all



Detailed dissection . . .

and hours spent to keep up.



expert teaching . . . learning to teach

Dr. Eben Alexander reviews a skull x-ray with senior student Mike Sisk.



"... then take one pill each day for twenty days."



coffee conferences and ward rounds

Students discuss their patients with Dr. Emery Miller over a cup of coffee.



Clinical "pearls" are gathered from Dr. George Podgorny.

the iii cc joins the team

Progress notes . . .



and patient responsibilities.



. . . CBC, urine, L.E. preps 'til positive . . .

physical diagnosis



Seeing . . .



Feeling . . .



Hearing . . .

the senior student practices preventive medicine

Visits to the Mt. Airy OB Clinic . . .



and to the Methodist Children's Home.

medical education: a continuing process



TRAVEL TO LONDON . . .

London Hospital, teaching unit of the London Medical School, was the scene of 1966 summer fellowships for Bowman Gray students, Bill Avant and Bill Wallace. Both students found the trip worthwhile and quite unique in some respects.

Interestingly, both London travelers were particularly struck by the close contact between students and chief clinical professors and by the interest the professors (many of them internationally renowned) took in personally instructing them and their British conferees. It was pointed out too, that student groups are rarely larger than six to eight members, thereby helping to foster a close working relationship.

Most of the visitors' time at the hospital was spent with clinics and ward rounds. Many clinics were conducted daily, and there was much freedom of choice as to which they wanted to attend. If a clinic with a senior staff member were chosen, the student had the opportunity to observe the staff man's examination, to examine the patient himself, and to discuss in detail the more interesting cases.

Of course, all was not work in Europe. In fact, Bill Wallace has confessed that there were times when his camera's shutter eye got little rest. He is particularly fond of a photograph of the White Cliffs of Dover taken from a boat crossing the Channel, although he felt the most enjoyable trips were those to Windsor Castle, Hampton Court, Warwick Castle, and Stratford.

Although the two do not feel that their sojourn radically changed their lives, they do feel their medical and personal experiences have been broadened significantly and that future exchanges, from both sides of the Atlantic, can prove valuable.



1.



2.



3.

1. Balconies adjoining the hospital rooms of the London Hospital.
2. Bill shows off an English car . . . built for one??
3. The Outpatient Department of the London Hospital.

AND AFRICA



1.



2.



3.

1. Bob and Nigerian friends are shown after a close game of table tennis.
2. Women of Igbo—Ora visit the community water hole.
3. A family in Idere makes a livelihood of weaving baskets.
4. Native women show off their finest dress.

Robert Gibson, a member of the junior class, spent his summer in quite a different part of the world, Nigeria. He went under the auspices of The Experiment in International Living which, since 1932, has tried to better international relations with programs for United States students overseas and for foreign students in the United States.

Ibadan, in southwest Nigeria, was the scene of the first part of Bob's stay, during which time he lived with a Nigerian family. The city is the home of the University College Hospital and a place of contrasts. He saw goats running through the streets and women engaged in primitive cookery at the foot of a modern 26-story building. The latter part of his visit was in the rural areas of the country with a small health center as home base. It was 25 miles to the nearest hospital, electricity, or piped water, and the laboratory equipment consisted of one microscope and a hemoglobinometer.

Much of Bob's time was spent in clinics where he would examine patients, make a diagnosis, and review his findings with the physician in charge. Treatment would be discussed, and often the locale wrought interesting permutations. For example, many psychiatric referrals went to a local native doctor (witch doctor) because of the confidence some patients placed in him.

Weekends were spent in travel. Using a Land Rover type vehicle and led by a Harvard professor who specialized in African history, Bob and the three others of his group toured many of the cities and medical facilities of the country. One visit included a leprosy village of about 200 people, a few of whom are able to farm. As Bob noted, "They just do live." More pleasant were the children the group met. Bob lists their enthusiasm and affection among his favorite memories.

Like the two London travelers, Bob feels his trip was educational, and he strongly recommends it "to any student seriously considering mission work." On the personal side, he feels the trip gave him "a good idea of how other people live" and, by seeing how Americans appeared through another people's eyes, "a better understanding of my own life and country."



4.

STUDENT RESEARCH IN BASIC SCIENCES . . .

For many medical students, the summer of 1966 was one of broadening horizons. Participation in Bowman Gray's fellowship program served as the vehicle for reaching those horizons in thirty-three cases, as rising second and third year students took places on research and clinical teams.

Work was available in many fields. Bob Hamill and Marshall Ball, for example, worked with assistant professor of physiology, Dr. Herman Schmid, who doubles as director of the fellowship program. Their project was "Renal Compensation Following Unilateral Nephrectomy." The pair worked with dogs over the summer but are also interested in seeing how their results correlate with human experiments. About Dr. Schmid, his energy and interest were impressive.

Most populated with summer fellows was microbiology. Foster Young split time between his PK antibody study and antibody isolations for John Whisnant's hypersensitivity studies. Foster found his efforts worthwhile though not always successful.

Alan Simpson worked on a clinical fellowship with Dr. Leo Heaphy. Al was particularly impressed by the fact that "prevention is the best prescription when it comes to respiratory disease." He was also somewhat surprised to discover the extensive relationship between the respiratory diseases and other ailments.

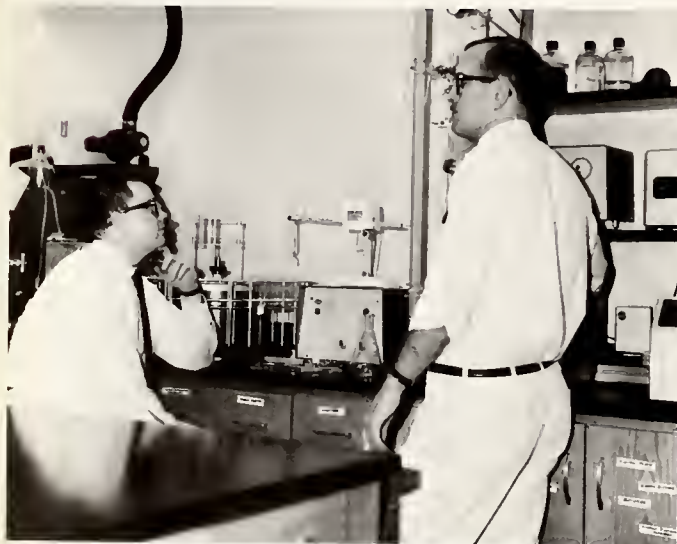
In addition to aiding the medical student, summer research is sometimes valuable to medicine in general. In fact, a trio of present seniors who spent several summers with the neurology department

saw some of their findings published in 1966.

Frank Tulloch was stimulated by Dr. James Toole, neurology department head, to investigate a method for diagnosing the subclavian steal syndrome. Dr. Toole noticed that exercise sometimes caused symptoms in patients with suggestive histories. Under his guidance, Frank designed a bilateral, simultaneous, sphingomanometry procedure to investigate this observation. Results of their work appeared in the June issue of *Circulation*.

From this and other work in neurology, Frank felt he obtained a good foundation in cerebrovascular disease and physiology. With regard to Dr. Toole, two important facets of his approach to medicine were emphasized by Frank, namely that "you can't practice any kind of medicine without knowing some specific neurology," and that on physical examination, a sign is "either there or not there."

Most published of the trio was Bill Avant, whose "Pulsatile Electroencephalography: A Review and the Importance of the Respiratory Factor" won first prize in the 1966 Essay Contest, sponsored by the American Academy of Neurology. Additionally, the Academy published the article in its official journal, *Neurology*, marking the first time a prize essay has been so honored. Bill was senior author of another

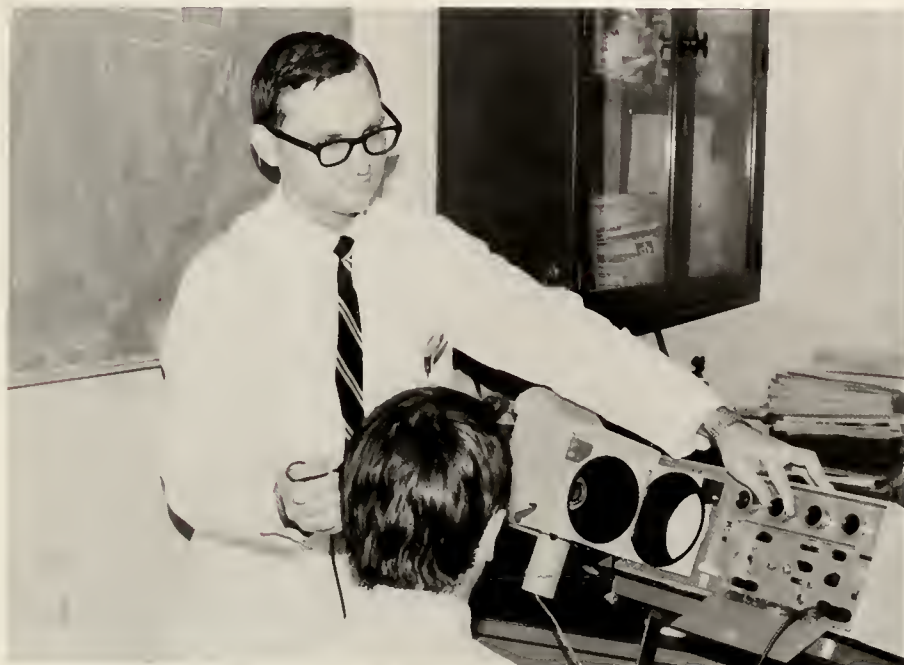


Foster Young and John Whisnant discuss the results of their antibody isolation experiments.



Alan Simpson (center) reviews respiratory function tests with students Bob Jacobsen and Virgil Messer.

AND CLINICAL MEDICINE



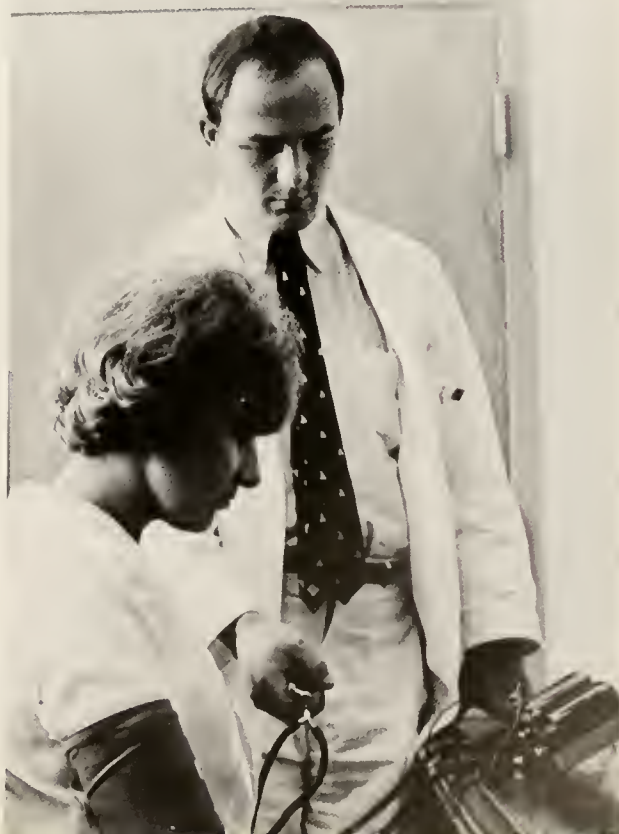
Bill Avant studies a patient with echoencephalography.

paper, "Ultrasonic Transducer Stabilization in Pulsatile Movement Studies of Biologic Tissue" which unravelled a technical problem of ultrasound diagnosis and which appeared in *Ultrasonics*. In addition, Bill was associate author of other published works.

Bill is modest about his discovery of the respiratory factor, calling it "a bit of luck." He gives Dr. William McKinney's "contagious enthusiasm and stress on having a specific goal in one's medical studies" much credit for igniting the spark which led to his research.

Dr. McKinney's dynamism and farsightedness also struck a responsive chord in Bill Wallace, senior author for "Ultrasonic Techniques for Intracranial Pulsations: Research and Clinical Studies" which also appeared in *Neurology*. Although not decided on the course of his medical career, Bill has been interested in neurology since college days when he performed experiments in mammalian neurophysiology.

Frank Tulloch demonstrates bilateral, simultaneous sphingomanometry.



ORGANIZATIONS:HONORARY,SERVICE,SOCIAL

Alpha Omega Alpha



The Alpha Omega Alpha Honorary Medical Fraternity was organized at the College of Medicine, University of Illinois August 25, 1902. The name was changed to Alpha Omega Alpha Honor Medical Society by action of the Biennial Council June 14, 1934.

The Society comprises three classes of members: (1) Undergraduate membership based entirely on scholarship, personal honesty, and potential leadership; (2) Alumni and Faculty membership granted for distinctive achievements in the art and practice of scientific medicine; and (3) Honorary membership awarded to eminent leaders in medicine and the allied sciences.

The motto of the Society is: "Worthy to Serve the Suffering."

Donald M. Hayes, M.D.
John Carl Hamrick, Jr.
John Ward Yarbrough
Earl Franklin Tulloch, Jr.
James Leonard Biesecker
Herbert Miles Schiller
Marshall Ray Ball
Wilson King Wallace
Gerry David Martin
John Albert Thompson
Not Pictured:

Courtland H. Davis, Jr., M.D.
William Anthony Smithson
James Leland Self



RESEARCH AND REVIEWS

a journal of
student investigation

Jan Eberhard
Editor



John Whisnant
Associate Editor



Durward Pridgen
Associate Editor

Research and Reviews is a journal of student investigation of the Bowman Gray School of Medicine and the Graduate Division in Science of Wake Forest College. It had its inception in 1941 as the *Journal of the Bowman Gray School of Medicine*. From 1941 to 1961, it was published by the student body but contributed to by students and faculty alike. In 1961, the *Journal* became *Research and Reviews* and subsequent to that time has been a function of the student body alone, thus becoming one of the few medical journals of its kind.

Each volume consists of one issue appearing each calendar year and is composed primarily of the outstanding senior thesis prepared by the graduating class. Also included are abstracts, book reviews, editorials, and an outstanding history of medicine paper written by a sophomore medical student.

Research and Reviews serves as a means of communication with alumni and the medical community the world over. Present circulation approaches 1,800 copies and includes alumni, students, faculty, major hospitals, publishers and exchange journals, foundations, and all of the American medical schools.

Many of the books received for review from major publishing houses across the United States are donated to the library at the completion of each volume.

The editorial staff consists of a sophomore, junior, and senior editor, thus providing two years of experience for each person ultimately assuming the editorship. Although the staff works independently, advice and supervision are readily provided by the Publications Committee of the Bowman Gray School of Medicine. Each volume is financed directly by the Medical School under the direction of the Publications Committee.

GRAY MATTER 1967



Jerry Bennett
Editor



Wilson Wallace
Managing Editor



John Stevenson
Managing Editor

This volume of the Gray Matter represents the imagination and time of many people. For the first time in recent years the yearbook staff was composed of more than two or three individuals. Without these additional staff members this yearbook would not have been possible. We are proud of the 1967 Gray Matter. The combined efforts of everyone responsible for this publication will be rewarded by the pleasure you derive now and in the future from your yearbook.

JLB



Wes Garbee
Photography Editor



Bob Levine
Features Editor



Paul Stagg
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Steve Fore
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Tom Eshelman
Photographer



Gary Todd
Photographer



Phil Miller
Photographer

STUDENT AMERICAN MEDICAL ASSOCIATION

The Student American Medical Association was founded in Chicago in December, 1950. Today the Association is composed of more than 60,000 active and affiliate members in seventy-seven medical schools and hundreds of hospitals throughout the United States and its territories. S.A.M.A. is an autonomous organization operating independently in the best interest of its membership — all members being either medical students, interns, or residents.

As the Constitution of S.A.M.A. states: "The objectives of this Association shall be to advance the profession of medicine, to contribute to the welfare and education of medical students, interns, and residents; to familiarize its members with the purpose and ideals of organized medicine; and to prepare its members to meet the social, moral, and ethical obligations of the profession of medicine." These have been and remain the objectives of the chapter at Bowman Gray.



S.A.M.A. OFFICERS: Jim Self, *Vice President*, Paul Stagg, *Treasurer*, John Killian, *President*, Susan Kelly, *Secretary*



STUDENT PRECEPTORSHIPS: A freshman is matched with a junior and a sophomore with a senior to obtain some ward experience before the clinical years. Paul Stagg demonstrates the use of the E.K.G. machine to Monty Woods.



LECTURERS: The Reynolds' Distinguished Lectureship Series permits student discussion with leading medical figures throughout the United States and abroad. Dr. J. Trevor Hughes, Neuropathologist, Redcliffe Infirmary, Oxford, is pictured at an informal coffee hour with medical students before his discussion of "The Anatomy and Pathology of the Vascular Supply to the Spinal Cord."



SOCIAL FUNCTIONS: Each year S.A.M.A. sponsors several social functions, among which is the annual Christmas Dance.



S.A.M.A. FORUM: Students are informed on topics not covered in didactic material. Life insurance, internships, medico-legal affairs, and military service are discussed. Shown above is a forum on Medicare conducted by Mr. Clyde Hardy, Department of Clinics, Mr. Robert H. Chapman, District Manager of Social Security, and Dr. Winston Roberts, Professor of Ophthalmology, who serves as chairman of the Utilization Review Committee.



ATHLETIC EVENTS: Football, basketball, golf, and tennis are organized for class and individual participation. Above, the Sophs are shown in the process of edging the Frosh by 7-0.

PHI CHI MEDICAL FRATERNITY

TAU KAPPA CHAPTER



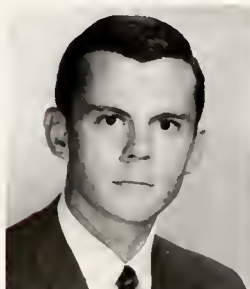
James F. Starling, Jr.
Presiding Senior



William Y. Tucker, Jr.
Presiding Junior



Douglas R. Maxwell
Treasurer



Thomas L. Bergstrom
Secretary



John C. Faris
Kitchen Manager

For 31 years Phi Chi has been an integral part of the medical school — first at Wake Forest and for the past 25 years in Winston-Salem. In this long span of time, Phi Chi has fulfilled the need of the students and house staff to meet informally, to eat much better food than is normal in schools, and to have parties.

Over the past year, Phi Chi has, in addition to its well known social activities, organized a team of upperclassmen, directed by Dr. A. Ritchie Lewis, to perform physical examinations for the local churches and boys clubs' intramural sports programs.

In the next few years, Phi Chi will expand with the Medical Center and play a more important role in the extra-curricular life of the school.

SENIORS

John C. Faris
W. Richard Hooper
Theodore A. Keith
John H. Killian
Ronel L. Lewis
Douglas R. Maxwell
Richard R. Peyton

Peter H. Rowe
John C. Rozier, Jr.
Philip B. Sapp
James F. Starling, Jr.
George H. West
John W. Yarbrough

JUNIORS

George C. Daul
Paul L. Davis, Jr.
John M. Fultz, Jr.
H. Slade Howell
H. Mendell Jordan

Robert H. LeGrand, Jr.
William Y. Tucker, Jr.
Carl K. Rust, III
Thomas J. Weinberg
Robert T. Westmoreland

SOPHOMORES

Dominick Addario
Thomas J. Bergstrom
Robert F. Blackard
C. Allen Bruce
Larry P. Conrad
Robert G. Dillon
Irving B. Elkins

L. Thompson Heffner, Jr.
R. McPhail Herring, Jr.
Ronald E. Crauser
E. Thomas Leyrer
Q. Albert McNeil, Jr.
Elliot J. Rampulla
J. William Riley, Jr.

FRESHMEN

Ira M. Bernstein
William R. Brown, Jr.
John W. Davis, Jr.
James T. Fowler, III

Weldon E. Havins, Jr.
Robert N. Powell
E. Clifton Russell
Charles S. Turner



MEDICAL STUDENTS

FRESHMEN _____ 76

SOPHOMORES _____ 79

JUNIORS _____ 83

SENIORS _____ 88

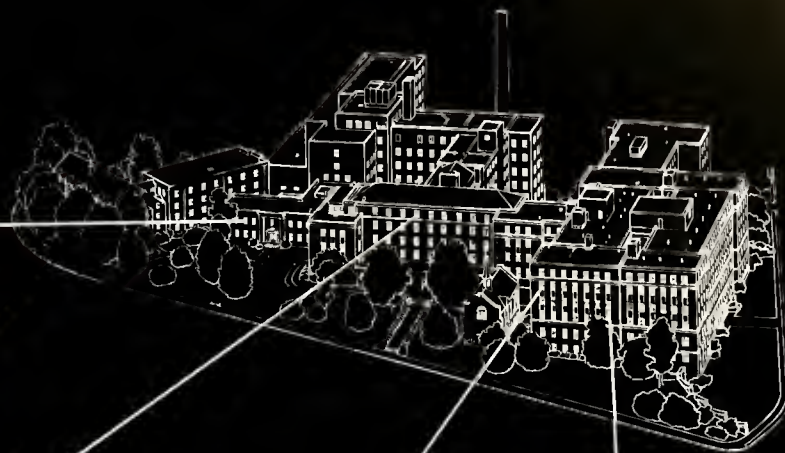
CLASS HISTORY _____ 97

INTERNSHIP

APPOINTMENTS _____ 98

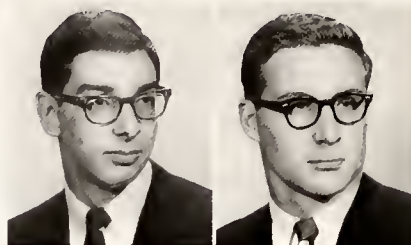
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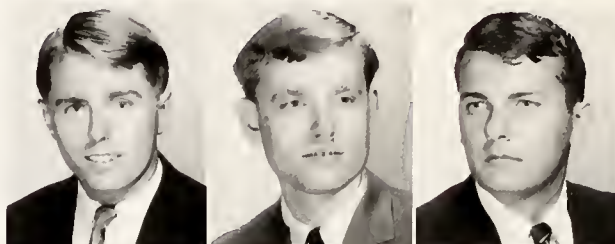


Freshmen



Robert L. Shuman
President

Haywood N. Hill
Vice-President

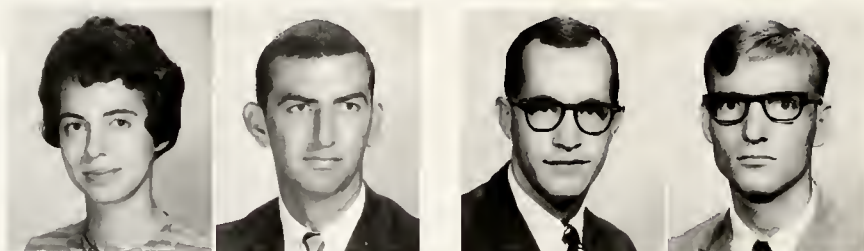


Charles F. Alexander
Robert A. Austin
S. Charles Bean



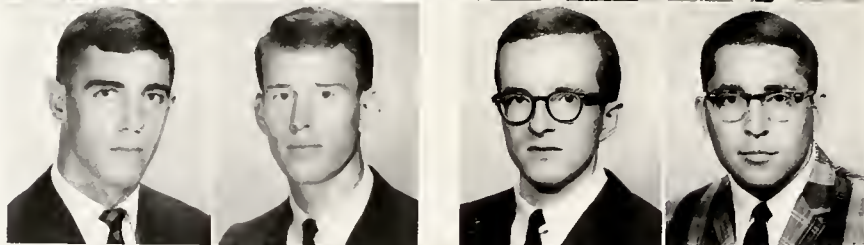
Ira M. Bernstein
Carolyn R. Black
Daniel W. Blue

Frances Bounous
H. Allen Brandon, Jr.



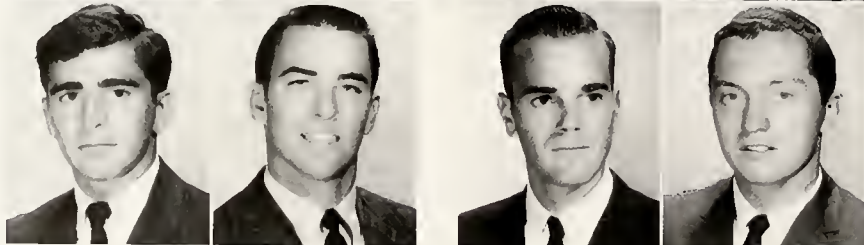
William Ray
Brown, Jr.
Charles A.
Bullaboy

William J. Casey
David A. Cort



John W. Davis, Jr.
W. Lee Davis

Salvatore Dizzia
William Eakins



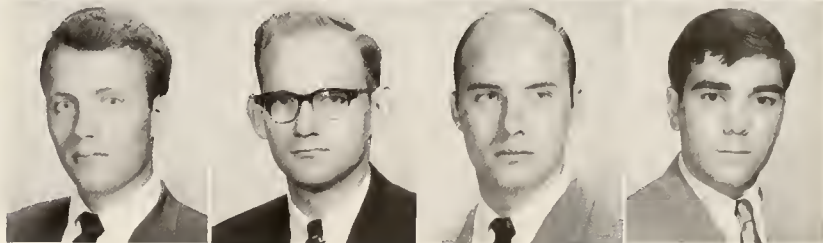
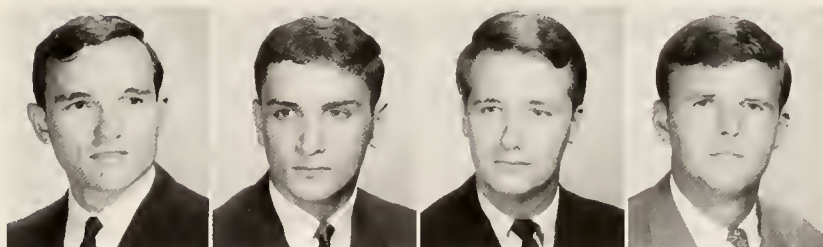
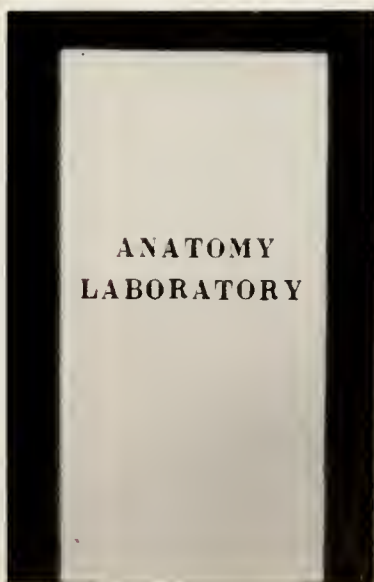
Wilson Elkins
Charles Ellithorpe



Robert Ford
James Fowler
John Freeman
Jimmy Harris



Weldon Havins
Michael Hensley
David Heymann
Robert Howell



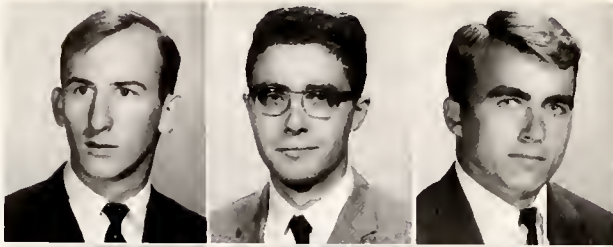
Glenn Johnston
David W. McAllister

Richard Kerecman
Hersey Miller

Donald Leonard
John C. Morrison

John Mauzy
George Pappas

Samuel Pegram
Michael Perry
Jackson Pittman

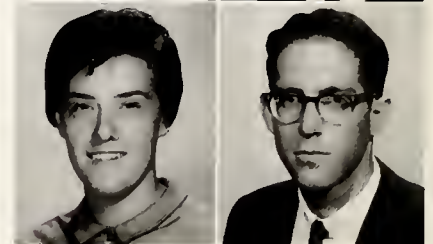
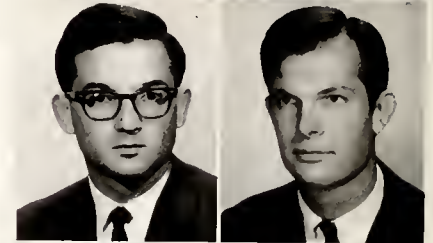
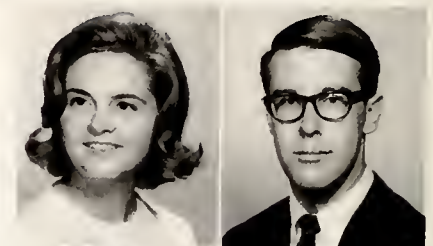


Robert Powell
Carolyn Ray
Lovette P.
Reddick



Donna Rook
Mark Sapirstein
Connie Stafford

Clifton Russell
James S. Sarkisian
Louis Stein

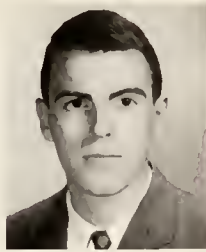


Richard Stewart
Charles Turner



James Woods
Monty Woods





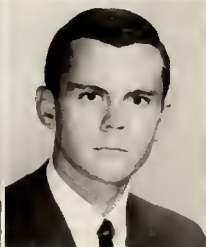
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Rufus H. Herring, Jr.
Vice-President



Dominick Addario



Thomas J. Bergstrom

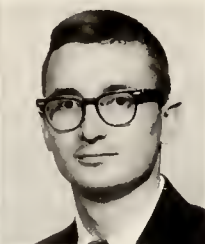


C. Alan Bevis



Philip G. Bickers

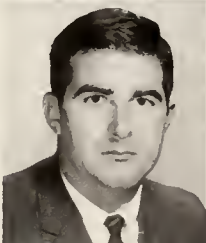
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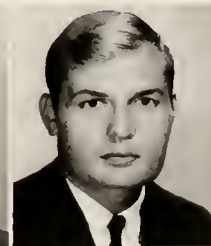
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Buchanan, Jr.



Paul J. Burke
Charles H. Chambers



Larry Paul Conrad
Robert G. Dillon



Donald B. Dewar
John M. Eckerd



Sophomores

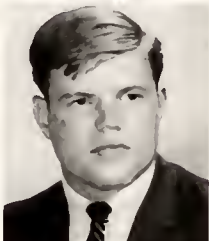
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Lynn M. Hale
James E. Hannah



John R. Gregg



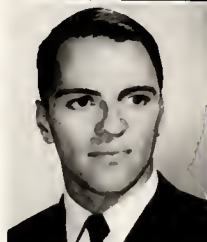
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Edward L. Heiman



J. Gordon Gregory



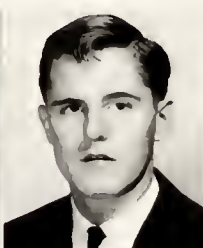
Kenneth E. Hoogs
Paul H. Izenberg



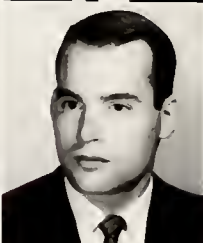
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L. Donald Johnson



Susan V. Kelly
Charles E. King, Jr.

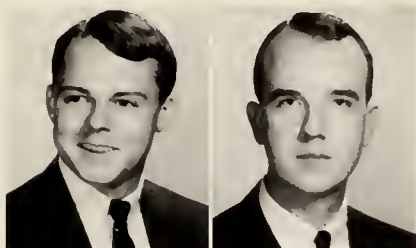


John S. Kitchin
John G. Kloss



Ronald E. Krauser
Robert T-Y Lee





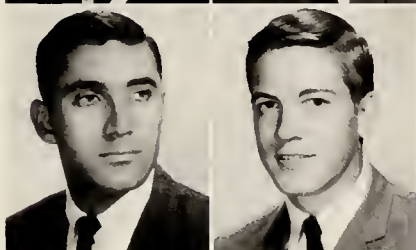
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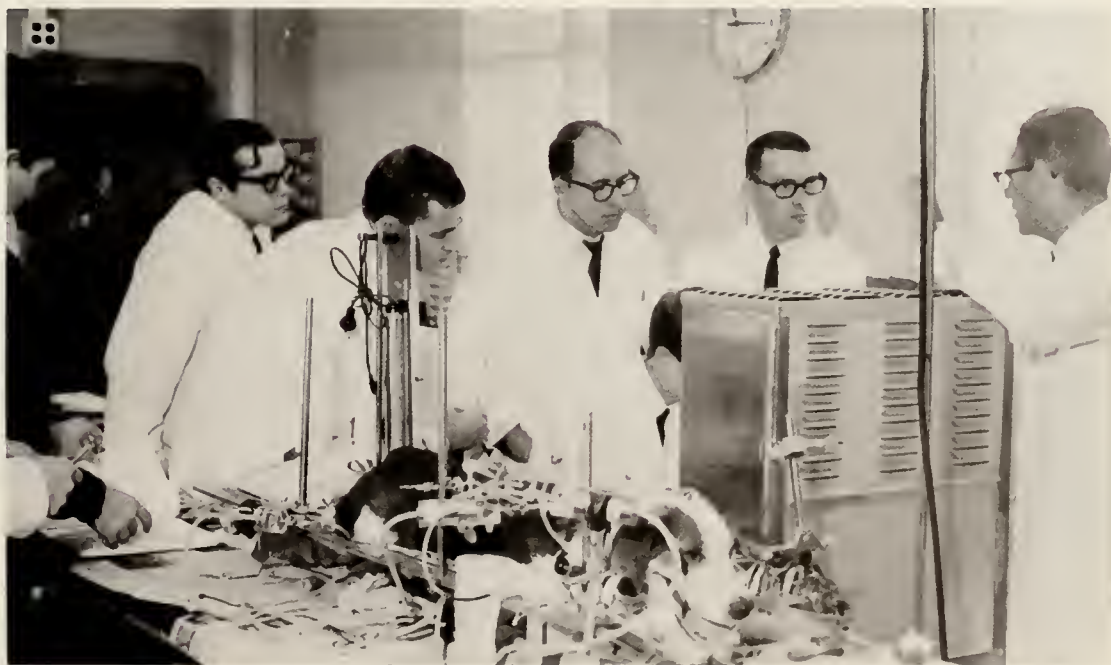
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L. Dan Montgomery

Betsy A. Parsley
Elliot J. Rampulla

Durward Pridgen
Martin I. Resnick



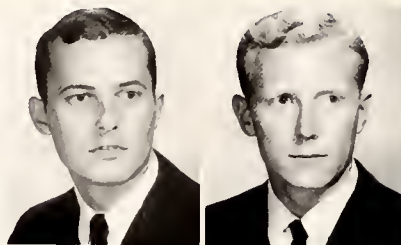
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John M. Nordan



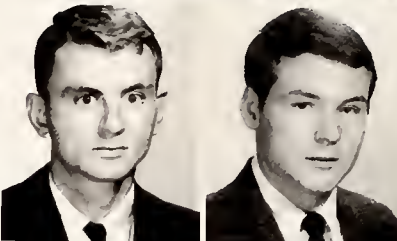


Karl S. Roth

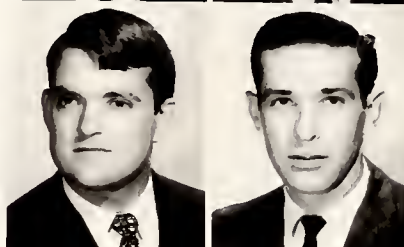
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Ronald R. Roy



Samuel R. Scott
Hoyle E. Setzer, Jr.



Jack B. Spainhour, Jr.
Cary E. Stroud



Julian R. Taylor
Richard A. Taylor



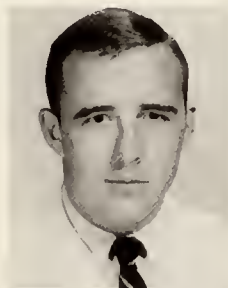
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Kyle A. Young



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REGINALD S. BOLICK



GERALD P. BRIGGS
JAMES E. BYRUM, JR.



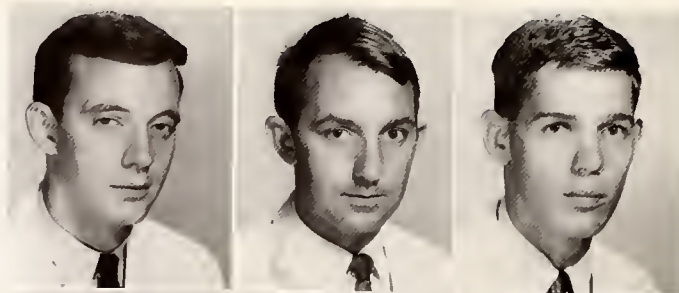
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MARSHALL R. BALL
EUGENE K. BETTS



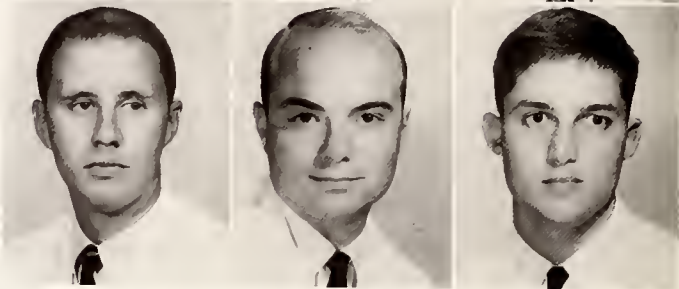
ALLEN E. COMBS
H. SAYLER
DAUGHERTY, JR.



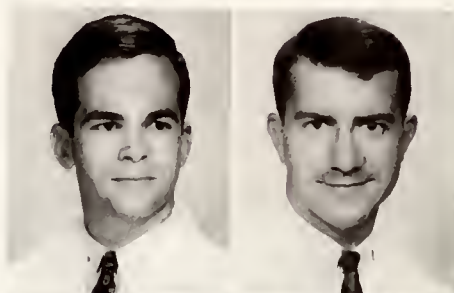
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HOWARD G. DAWKINS, JR.



ROBERT R. DIXON
DEAN M. DOBSON
STEVEN R. FORE



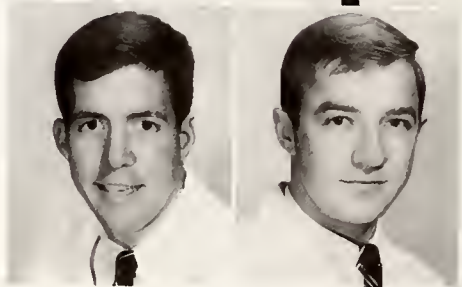
JOHN M. FULTZ
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GIBSON, JR.



ROBERT W. HAMILL
ALLAN B. HARVIN



H. SLADE HOWELL
H. MENDALL JORDAN





RAYMOND E. JOYNER
LARRY S. KILBY

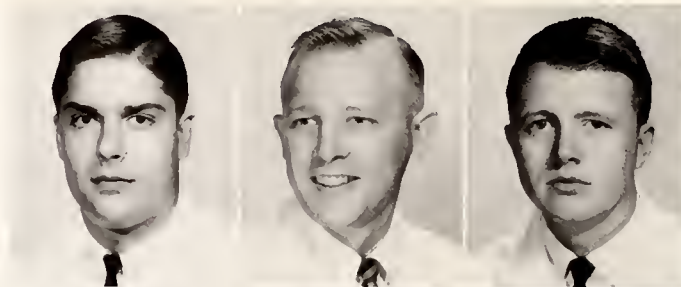
ROBERT H. LeGRAND
ROBERT LEVINE



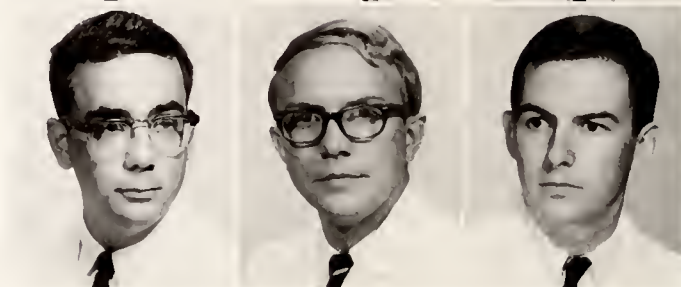
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PAUL E. LUNDSTROM
JAMES D. MATTOX

JOHN C. McDOUGALL
W. FREDERICK McGUIRT
ALLEN MENKIN

ROBERT P. MILLER
ROBERT W. MOORE, JR.
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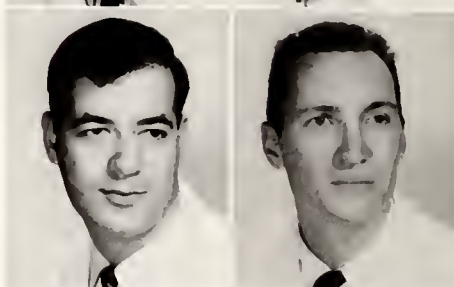
LARRY H. REDMOND
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ANDREW J. WEILAND
THOMAS J. WEINBERG
ROBERT T. WESTMORELAND

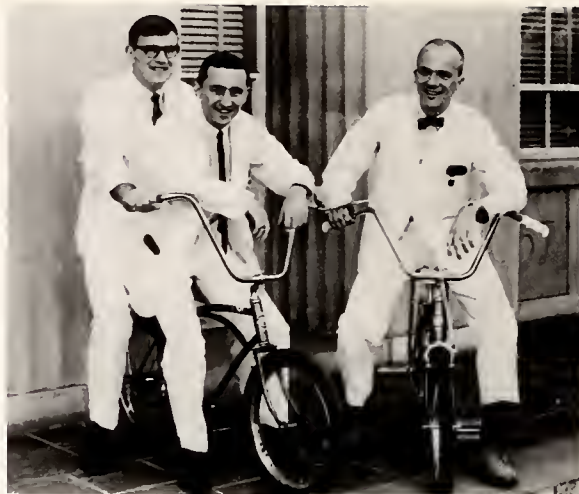


LURA D. WINSTEAD

JOHN K. WHISNANT, JR.
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Seniors



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 Jan Eberhard
Vice President
 Phil Miller
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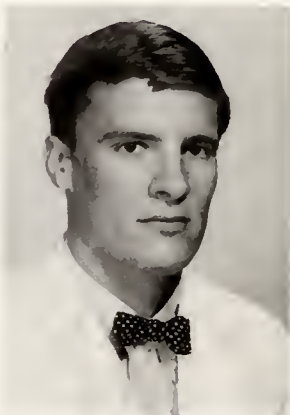
CHARLES GILMER ANGE
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WILBUR SHERWOOD
 AVANT, JR.
Whiteville, North Carolina

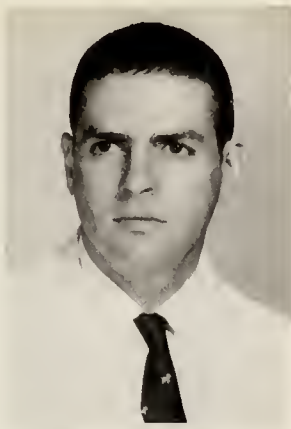


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Kernersville, North Carolina

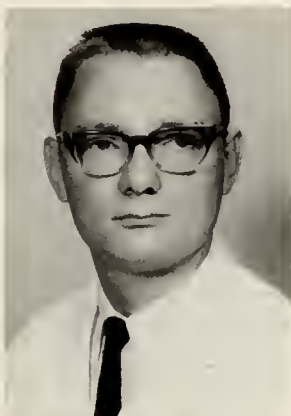
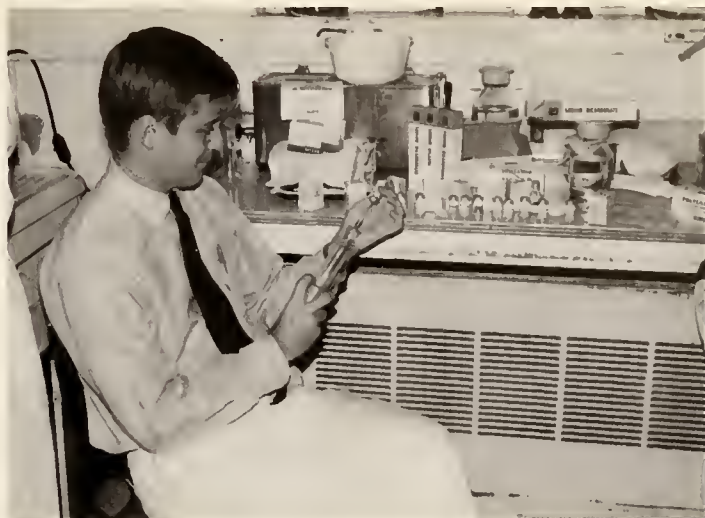


JAMES LEONARD BIESECKER
Lexington, North Carolina





THOMAS LARRY BROWN
Shelby, North Carolina



JOHN ALLEN CAUDLE
Lenoir, North Carolina



JOHN ALBERT DOERNER
Beach, North Dakota



FRANCIS BERNARD
 DOVE, JR.
Charlotte, North Carolina



STEPHEN JAN EBERHARD
Canton, Ohio



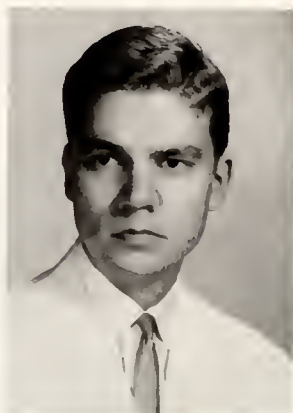
RODGER HENRY EIDSON
Newnan, Georgia



THOMAS CARL ESELMAN
Hilo, Hawaii



JOHN CHARLES FARIS
Charlotte, North Carolina



DAVID WALTER FIESELMAN
Imperial Beach, California



HENRY WESLEY GARBEE
Huntington, West Virginia



JOHN WYCOFF GODSEY
Richmond, Virginia



GERALD THOMAS GOLDEN
Birmingham, Alabama



JOHN CARL HAMRICK, JR.
Shelby, North Carolina



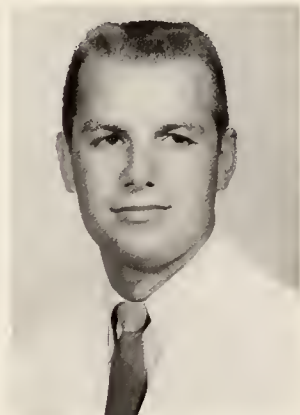
CARL WHITE HOFFMAN
Winston-Salem, North Carolina



WILLIAM RICHARD HOOPER
Roanoke, Virginia



PAUL EDWIN JOHNSON
Miami, Oklahoma



THEODORE ALLEN KEITH
Passaic, New Jersey



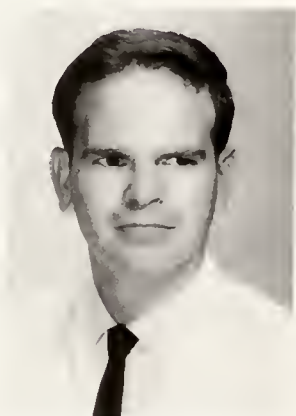
ELEANOR JEANNETTE
KELLENBERGER
Greensboro, North Carolina



JOHN HUME KILLIAN
Franklin, North Carolina



RONEL LEE LEWIS
Durham, North Carolina



GARY LIONELL MANGUM
Waxhaw, North Carolina



GERRY DAVID MARTIN
Troutman, North Carolina



DOUGLAS RICHARD
MAXWELL
Walpole, Massachusetts



ROBERT WILLIAM MELDRUM
Bloomsburg, Pennsylvania



VIRGIL MARVIN MESSER
Waynesville, North Carolina



PHILIP RAIFORD MILLER, JR.
Concord, North Carolina



DONALD KENLON NICOLSON
Carrington, North Dakota



FRANK BERNARD OSTEEN
Greenville, South Carolina



RICHARD RANDOLPH PEYTON
West Lafayette, Indiana



PETER HAMLIN ROWE
Piedmont, California



JOHN CHARLES ROZIER, JR.
St. Pauls, North Carolina



DAVID ARLO RUSSELL
Missoula, Montana



PHILIP BRYAN SAPP
Dalton, Georgia

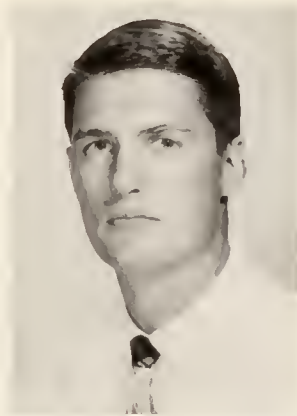


JOHN LAYNE SCOTT
Brown Summit, North Carolina





MICHAEL ANTHONY SISK
Seneca, South Carolina



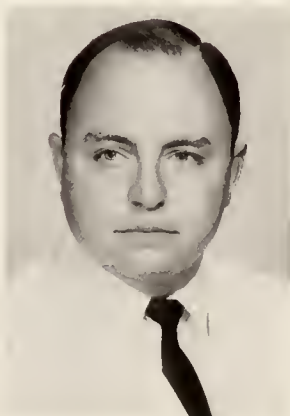
WILLIAM ANTHONY SMITHSON
Winston-Salem, North Carolina



SUZANNE STANLEY
Greensboro, North Carolina



JAMES FULTON STARLING, JR.
Lumberton, North Carolina



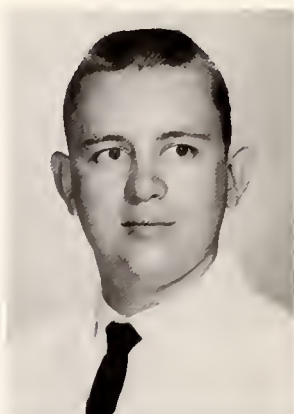
JOHN SAMUEL STEVENSON
Greensboro, North Carolina



HOWARD E. F. STONE, JR.
Ipswich, Massachusetts



JOHN ALBERT THOMPSON, JR.
Winston-Salem, North Carolina



GARY PRICE TODD
Gatlinburg, Tennessee



EARL FRANKLIN TULLOCH, JR.
Winston-Salem, North Carolina



WILSON KING WALLACE
Charlotte, North Carolina



GEORGE HARPER WEST
Kinston, North Carolina



JOHN WARD YARBROUGH
Burlington, North Carolina

Random Recollections Class of 1967

There were fifty-some-odd of us in the room one bright September day when the Dean said he would meet us 4 years later at Wait Chapel, and then he turned us over to the Department of Anatomy. We began with some fear to take skin off the thigh and ended the day two days behind. Dr. Bo was good for us—he reminded us that we weren't undergraduates, we were "medica stoonts." It was good somebody told us because on any given day from September, 1963, to September, 1965, no one could tell by our activities that we were embryo physicians. Some observers mistook us for graduate students (folks who really and truly care where the labeled carbon is hiding). But we actually were people who felt our ideals were being pushed aside in the frantic race to pass quizzes. We had come to conquer disease and champed at the bit to get on with it.

Pathology and Physiology gave us our basic intellectual tools. The "Moose" introduced us to the mysteries of pluripotential, multidifferentiated, Democratic, Eleanor cells that characteristically persist and progress to destroy the host. The good Republican cells with an abundance of cytoplasm were but poor victims of the biological, chemical, mechanical, (and sociological) agents of disease. Dr. Pritchard told us always to think dirty, the advice I can honestly say everyone strives to follow.

A large figure in our lives was Dr. Green, a jolly fellow who had a giant influence on our education. National Boards ended the year and were actually a snap after figuring out the physiology-pharmacology schedule.

"Nothing is lower than junior student"* , nevertheless we put on our whites and were pretty damned pleased with ourselves. Dr. Kelsey snorted at us until we were quite sure that not much we knew applied to children. Dr. Griffith called us "Doctor," and one student a week was fed to "Dr. Brad" in the pit. We knew, however, "dat most important ting is CBC and urine"* . It was a good year. The pressures of the second year were gone, and momentarily postponed were the pressures of internship hunting and senior paper writing. Most people had a lot of fun, saw a lot and learned a great deal.

Senior year brought new pressures and more was expected of us. For the first time knowledge began to gel and we could begin to do a history and physical with some assurance that we knew what we were doing. Several hurdles remain, but we know it will soon be over. We are going to be Doctors!

*Both quotes are attributed to George Podgorny, M.D.



Tony Smithson
Class Historian

INTERNSHIP APPOINTMENTS

CHARLES G. ANGE, M.D.

Rotating
Brooke General Army Hospital
San Antonio, Texas

WILBUR S. AVANT, JR., M.D.

Medicine
N.C. Baptist Hospital
Winston-Salem, North Carolina

JERRY L. BENNETT, M.D.

Medicine-Pediatrics
N.C. Baptist Hospital
Winston-Salem, North Carolina

JAMES L. BIESECKER, M.D.

Pathology
Johns Hopkins Hospital
Baltimore, Maryland

THOMAS L. BROWN, M.D.

Rotating
Tripler General Army Hospital
Honolulu, Hawaii

JOHN A. CAUDLE, M.D.

Medicine
Jackson Memorial Hospital
Miami, Florida

JOHN A. DOERNER, M.D.

Rotating
Weld County General Hospital
Greeley, Colorado

FRANCIS B. DOVE, JR., M.D.

Medicine
Emory University
Veterans Administration Hospital
Atlanta, Georgia

S. JAN EBERHARD, M.D.

Pediatrics
University Hospitals of Cleveland
Cleveland, Ohio

RODGER H. EIDSON, M.D.

Rotating
Macon Hospital
Macon, Georgia

THOMAS C. ESHELMAN, M.D.

Rotating
Tripler General Army Hospital
Honolulu, Hawaii

JOHN C. FARIS, M.D.

Rotating
Presbyterian Hospital
Denver, Colorado

DAVID W. FIESELMAN, M.D.

Pathology
University Hospital
Jackson, Mississippi

H. WESLEY GARBEE, M.D.

Pediatrics
N.C. Baptist Hospital
Winston-Salem, North Carolina

JOHN W. GODSEY, M.D.

Rotating
Presbyterian Medical Center
San Francisco, California

GERALD T. GOLDEN, M.D.

Surgery
University of Virginia Hospital
Charlottesville, Virginia



JOHN C. HAMRICK, JR., M.D.

Surgery
Ben Taub General Hospital — Methodist
Houston, Texas

CARL W. HOFFMAN, M.D.

Medicine
University Hospital and Hillman Clinic
Birmingham, Alabama

W. RICHARD HOOPER, M.D.
Rotating
Wayne County General Hospital
Eloise, Michigan

PAUL E. JOHNSON, M.D.
Surgery
N.C. Baptist Hospital
Winston-Salem, North Carolina

THEODORE A. KEITH, M.D.
Medicine
N.C. Baptist Hospital
Winston-Salem, North Carolina

E. JEAN KELLENBERGER, M.D.
Family Practice
St. Joseph's Hospital
New York Upstate Medical Center
Syracuse, New York

GERRY D. MARTIN, M.D.
Medicine
Barnes Hospital
St. Louis, Missouri

DOUGLAS R. MAXWELL, M.D.
Rotating
Wayne County General Hospital
Eloise, Michigan

ROBERT W. MELDRUM, M.D.
Rotating
Charlotte Memorial Hospital
Charlotte, North Carolina

VIRGIL M. MESSER, M.D.
Medicine-Pediatrics
N.C. Baptist Hospital
Winston-Salem, North Carolina



JOHN H. KILLIAN, M.D.
Medicine
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New York, New York

RONEL L. LEWIS, M.D.
Rotating
Tripler General Army Hospital
Honolulu, Hawaii

GARY L. MANGUM, M.D.
Rotating
Greenville General Hospital
Greenville, South Carolina

PHILIP R. MILLER, JR., M.D.
Medicine
University Hospital and Hillman Clinic
Birmingham, Alabama

DONALD K. NICOLSON, M.D.
Rotating
Weld County General Hospital
Greeley, Colorado

F. BERNARD OSTEEN, M.D.
Rotating
Lackland Air Force Base Hospital
San Antonio, Texas

RICHARD R. PEYTON, M.D.
Medicine-ObGyn
Passavant Memorial Hospital
Chicago, Illinois

PETER H. ROWE, M.D.
Medicine
Ben Taub General Hospital
Houston, Texas

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Rotating
Brooke General Army Hospital
San Antonio, Texas

MICHAEL A. SISK, M.D.
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N.C. Baptist Hospital
Winston-Salem, North Carolina

W. ANTHONY SMITHSON, M.D.
Rotating
Pennsylvania Hospital
Philadelphia, Pennsylvania

SUSANNE STANLEY, M.D.
Medicine
Medical College of Virginia Hospital
Richmond, Virginia

JAMES F. STARLING, JR., M.D.
Medicine
University Hospital and Hillman Clinic
Birmingham, Alabama

JOHN S. STEVENSON, M.D.
Medicine
N.C. Baptist Hospital
Winston-Salem, North Carolina

HOWARD E. F. STONE, JR., M.D.
Rotating
Hartford Hospital
Hartford, Connecticut

JOHN A. THOMPSON, JR., M.D.
Medicine
N.C. Baptist Hospital
Winston-Salem, North Carolina

GARY P. TODD, M.D.
Rotating
U.S. Naval Hospital
Portsmouth, Virginia

E. FRANKLIN TULLOCH, JR., M.D.
Medicine
New York Hospital
New York, New York

WILSON K. WALLACE, M.D.
Medicine-Pediatrics
N.C. Baptist Hospital
Winston-Salem, North Carolina

GEORGE H. WEST, M.D.
Medicine
N.C. Baptist Hospital
Winston-Salem, North Carolina

JOHN W. YARBROUGH, M.D.
Surgery
Duke Hospital
Durham, North Carolina

DAVID A. RUSSELL, M.D.
Pediatrics
N.C. Baptist Hospital
Winston-Salem, North Carolina

PHILIP B. SAPP, M.D.
Rotating
Piedmont Hospital
Atlanta, Georgia

JOHN L. SCOTT, M.D.
Rotating
University Hospital and Hillman Clinic
Birmingham, Alabama



FAMILIES



1



2

1. THE ANGES: Claudia and Charles
2. THE AVANTS: Bill and Martha
3. THE CAUDLES: John and Patsy
4. THE BENNETTS: Brenda and Jerry
5. THE BROWNS: Lita and Tom
6. THE DOERNERS: John, Mark, and Jan
7. THE EBERHARDS: Jan and Carol



3



4



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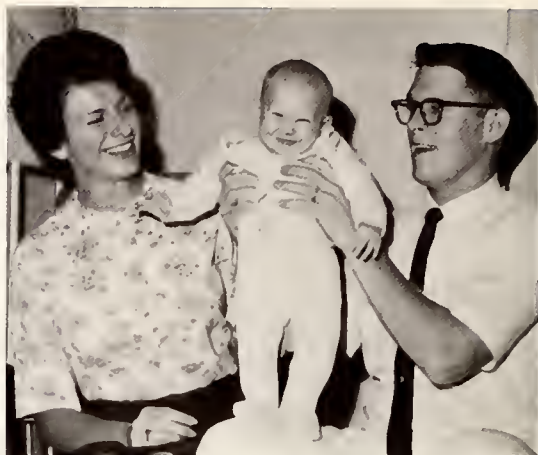
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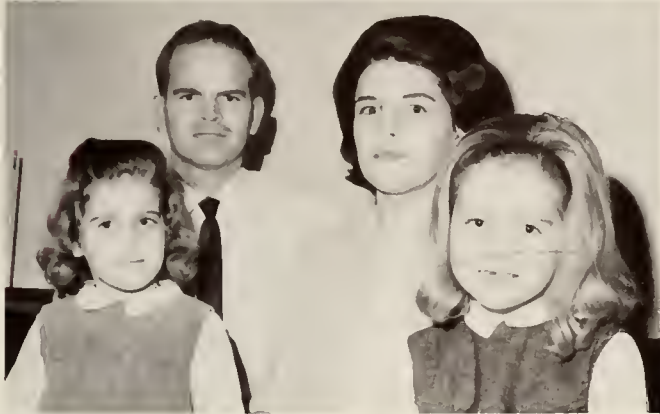
1. THE EIDSONS: Rodger, Lynda, and Hank
2. THE ESHELMANS: Mary Stewart, Chris, and Tom
3. THE GARBEES: Wes and Cornelia
4. THE GOLDENS: Lana and Gerry
5. THE HAMRICKS: Jack and Margaret
6. THE HOOPERS: Barbara and Dick
7. THE HOFFMANS: Allyson, Anne, Toby, and Carl



1



2



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4



5



6

1. THE JOHNSONS: Anne, Victor, Paul III, and Paul
2. THE LEWISES: Ron, LeAnne, and Becky
3. THE MANGUMS: Debbie, Gary, Mazie, and Angela
4. THE MARTINS: Chryl, Gerry, and Stuart
5. THE MESSERS: Melanie, Virgil, Melinda, and Patsy
6. THE MELDRUMS: Bob and Phyllis



1. THE MILLERS: Nan, Phil, and Philip
2. THE NICOLSONS: Kaelyn, Don, Bonnie, and Don Allen
3. THE OSTEENS: Mary Ann, David, and Bernard
4. THE PEYTONS: Margaret and Dick
5. THE ROWES: Sandy and Peter
6. THE RUSSELLS: Bonnie, Stacy, David, and Kellie
7. THE SISKS: Mike, Martha, and Pat



1



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6



7

1. THE SMITHSONS: Judy and Tony
2. THE STONES: Betty and Howard
3. THE TODDS: Gary and Clara
4. THE TULLOCHS: Frank and Jackie
5. THE STEVENSONS: Sue, Laura, and John
6. THE WALLACES: Bill and Carol
7. THE WESTS: Annette and George

PARAMEDICAL DEPARTMENTS

Nurse Anesthesiology



Helen P. Vos, C.R.N.A.
Director



SENIORS: Susan Venable, Martha Shields, Billie Burney, JoAnn Cadd, Antoinette Brock, Sylvia Caudill, Geraldine O'Briant, Willie Pennington, Elizabeth Locklare



JUNIORS: Helen Bohler, Martha Dees, Shirley Crump, Rebecca Mize, Nancy Elmore, Amanda Crews, Lou Fellers, Keith Ann Dunlap, Mary Michael, Bert Sulcer, Cynthia Wingle, Mary Radford

Inhalation Therapy



STAFF: Von Baker, Bob Grindstaff, Scott Stanley, Bill Brown, *Chief Therapist*, Ava Saylor



SENIORS: John Everson, Clif Malin, Jackie Graver, Ray Disney, Lois Bartleson, Bob Kirkman



JUNIORS: Don Shipley, Shannon Gilbert, Barry Hempstead, Johanna Vos, Azariah Hill, Dave Zilke, Charlotte Hummer, Tiffany Jones, Jeff Gardner, Mildred Stephens, Bill Whittington, Johnny Galan, Jerry Martin, Don Fowler



Medical Technology

Phyllis Newport

Director



INSTRUCTORS: Janise Hammett, Gwendolyn Bradsher, Ann P. Austin, Anna Zimmerman



Mary Ann Blevins, Carrie Abernathy, Victor Brown, Norma Mason, Phyllis Warrick, Georgia Tomlinson, Carlton Stott, Judith Robertson, Linda Roebuck

Medical Technology

Front Row: Jeannie Renick, Cynthia Westbrook, Connie Todebush *Back Row:* Harriet Vinson, Elizabeth Lee, Richard Stallings, Brenda Munden, Elizabeth Theiling



Cytotechnology

Joyce Taylor, *Instructor*, Patricia Jones, Sharon Carter, Angelica Fraser, Lynn Hawkins



Medical Records

Tommi Tomlinson, Kikuko Imamura, *Director*, Susan Knox, Mary Ogburn, Nicki Pagidas, Cinda Walton, Judy Vaughn, Bonnie Gray, *Assistant Director*



X-ray Technology



INSTRUCTORS: Noel Wooten, Katherine Prevatte, Rolene Ward, *Director*, Martha Greer, Polly Story, Catherine Cass, James Joyce



INSTRUCTORS: Rachel Clanton, Harold Cooke, Mary Jane Tuttle, James Jones, Jane Rhyner, Bill Lancaster, Betty Winter



SENIORS: Eddie Flowers, Bonnie Buice, Beverly Idol, Tula Bates, Jane Austin, Nancy Watkins, Geraldine Alfano, Jane Ivey, Robert Gardner

X-ray Technology



JUNIORS: Linda Yarborough, Kay Brown, Judy Ivey, Pat Cranford, Sandra Grant, Sarah Phillips, Judy Aldridge, Claude Waters



JUNIORS: Rita Taylor, Martha Price, Elizabeth Gibbs, Charlene Dollman, Cathy Parker, Darry Mabe, Susan Wilson, Martha Darnell, Joyce Sawyers

Radioisotopes

Sarah Owen, *Assistant Chief*, Judy Coombs, Jane Hicks, Linda Joyce, Norma Greenwood, *Chief Technician*, Elizabeth Fordham



Radiation Therapy

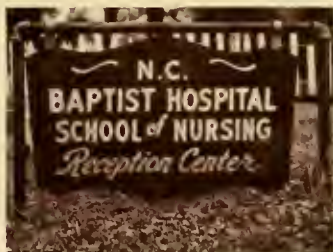


Becky Wilcox, Doris Duckett, Ruth Wellman, Mary Harrison, *Supervisor*

Physical Therapy




Carol Bray, Kaye Rentz, Ann Thompson, Cornelia Waddell, *Sitting*, Beryl Lipe, Carol Pohl, Betty Jo Harrell, James Austin, *Chief Therapist*



The Students of
North Carolina Baptist Hospital
School of Nursing
present . . .





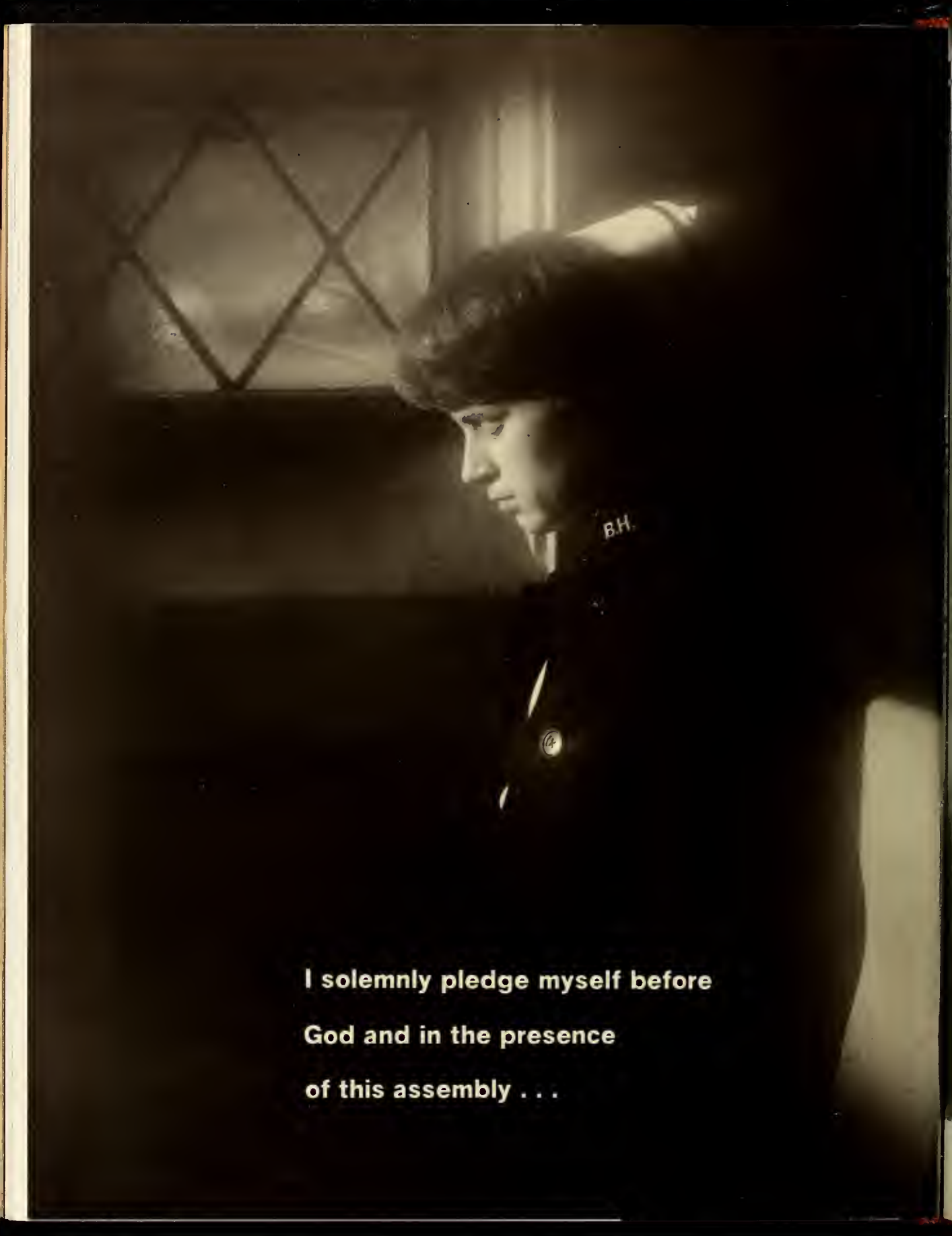
THE White Matter 1967

Editors Judith C. Griffin
Elizabeth A. Warlick

Business Managers ... Denice A. Quinn
Sheila K. Willard

'To everything there is a season, and a time to every purpose under the heaven.' Spring — in the soft air the buds are breaking on the trees, and they are covered with blossoms. Summer — the trees are covered with heavy foliage and singing birds among the branches. Autumn — golden fruits load the trees, and their leaves bear the gorgeous tint of frost. Winter — there is neither foliage nor fruit, but through the leafless branches, as never before, we see the stars shine.


The seasons come and go, each bringing signs of life. We come as the young bud — fresh and gentle, virtually untouched by hardships. We breathe the air and feel the warmth of the sun . . . we grow. We become more aware of the vague need which brought us here. We weather the storms . . . we mature. As we leave, we stand strong as the leafless tree of winter, strengthened through our growth by the storms and by the rays of the sun breaking through the clouds, repeating the words written long ago . . .




**I solemnly pledge myself before
God and in the presence
of this assembly . . .**




**to pass my life in purity
and to practice my
profession faithfully.**



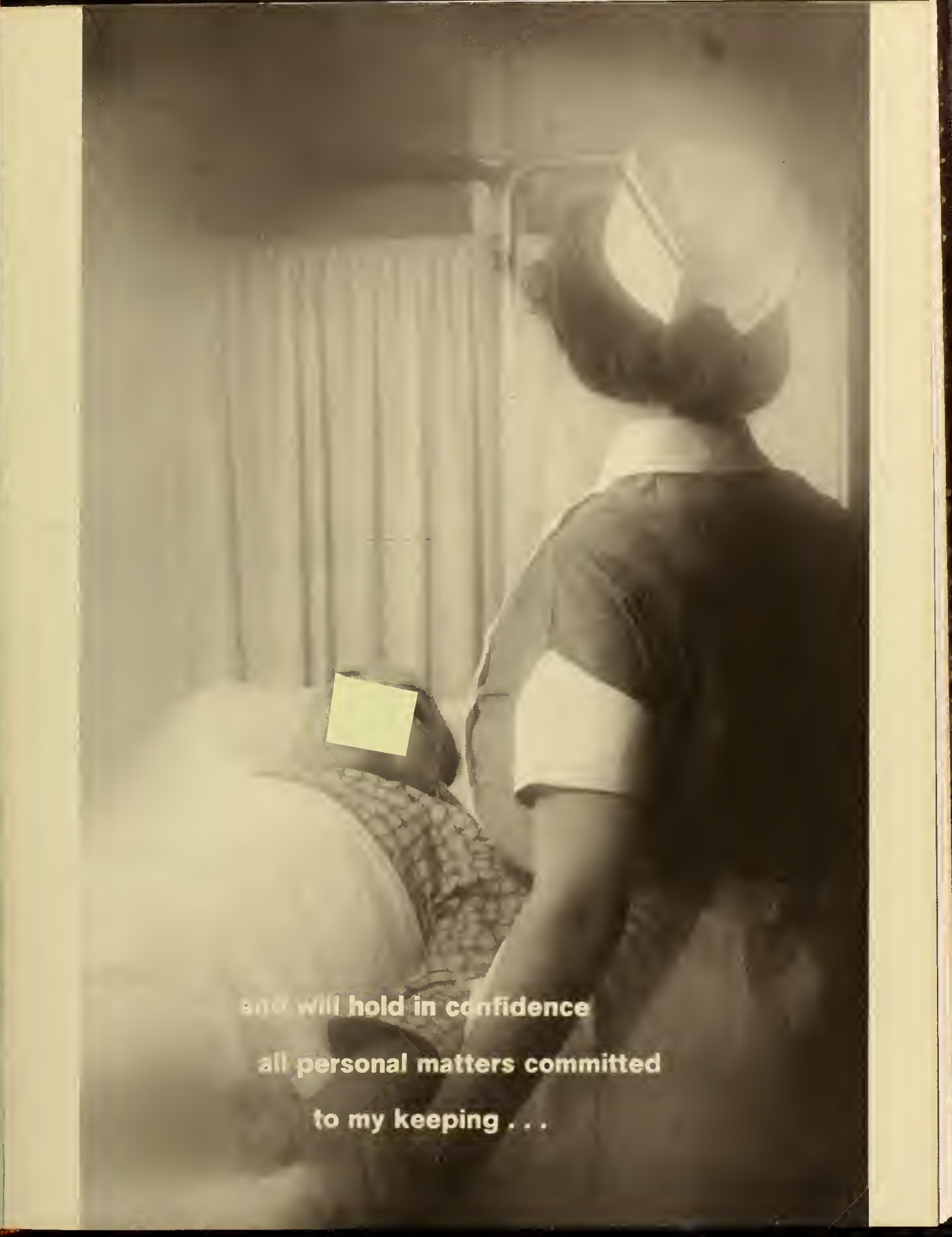
I will abstain from whatever
is deleterious and mischievous . . .

A sepia-toned photograph of a woman in a nurse's uniform. She is holding a syringe in her right hand and has her left hand near her face, looking off to the side with a concerned expression. The background is dark and out of focus.

and will not take or knowingly
administer any harmful drug.

A black and white photograph of a nurse in a traditional uniform and cap, reading a large open book. The book's cover features the text 'JOURNAL OF NURSING' and a decorative circular emblem. The nurse is positioned in the center, with a blurred bookshelf in the background. The lighting is soft, highlighting the nurse's face and the book.


**I will do all in my power
to maintain and elevate the
standards of my profession . . .**




and will hold in confidence
all personal matters committed
to my keeping . . .



and all family affairs coming
to my knowledge in the
practice of my profession.



With loyalty will I endeavor
to aid the physician
in his work . . .



**and devote myself to the welfare of
those committed to my care.**

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2



3



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Dedication |



Think . . .

. . . of surgery, cold and austere.
 . . . of lectures, examinations—tools
 of a teacher's trade.
 . . . of guidance and understanding
 . . . of giving knowledge to a student,
 allowing her to feel it, know
 it, and make it a part of herself.
 Being a stimulus to our minds for
 only a year, yet with dedication.

Thus we wish to dedicate our publication—
 only our impression of a year. Yet . . . to be
 given knowledge, to be able to feel it, to
 know it, and to make it a part of ourselves . . .
 This is the beginning of wisdom and great-
 ness.

This taste, this beginning, given to us by her,
 is that which we dedicate in this our
 yearbook.

TO MRS. FONDA STEPHENSON
 THE CLASS OF 1967

In Memoriam



RACHEL VANDERBURG

With a cherry smile and a wave of the hand,
She has wandered into an unknown land.
Mild and gentle, as she was brave,
When the sweetest love of her life she gave
To simple things; where the violets grew
Pure as the eyes they were likened to,
The touches of her hands have strayed
As reverently as her lips have prayed;
She pitied as much as a man in pain
A writhing honey-bee with rain.
Think of her still as the same, I say:
She is not dead — she is just — away!

Adapted from "Away"
by James Whitcomb Riley

Academics



Administration
Residences
Supervisors
Instructors
Curriculum





Administration |



1.



2.



3.



4.

1. Miss Joyce Warren, R.N., B.S., A.B.
Director of School of Nursing
Director of Nursing Service
2. Mr. Reid T. Holmes, A.B.
Administrator of the Hospital
3. Miss Bettie Baise, R.N., A.B., M.S.N.
Associate Director of School of Nursing
4. Mrs. Helen S. Kittrell
Associate Director of Nursing Service
5. Chris Clark, Administrative Assistant
Robert Walker, Assistant Administrator
Reid T. Holmes, Administrator



5.

Residences



1.



2.



3.

1. Miss E. Jane Cox
Director of Residences
2. Miss Cox in her "motherly"
role.
3. An applicant is measured for
uniforms.
4. Our maids — Nellie Penn, Ella
Thomas, and Louise Speas.
5. Our hostesses — Mrs. Lineback,
Mrs. Bryant, Mrs. N. Hardister,
Mrs. Davis, Mrs. E. Hardister,
and Mrs. Johnson.



4.



5.

MRS. PHYLLIS TEAGUE
Assistant Director Nursing Service

MISS VIRGINIA TESH
Assistant Director Nursing Service



MISS SUE WALKER
Assistant Director Nursing Service

MRS. ELIZABETH BROWN
Supervisor Medical Units



Supervisors |



MRS. JULIA CHEEK
Supervisor Nursing Service

MISS MARGUERITE GREEN
Supervisor Surgical Units

MRS. PAULINE HANKIN
Supervisor Nursing Service



MRS. MARY RUTH INGRAM
Supervisor Out Patient Department

MRS. VIRGINIA MASTEN
Supervisor Pediatrics and ICU

MRS. MADGE MINOR
Recovery Room Head Nurse

MRS. SARAH RICHARDSON
Supervisor Nursing Service

MISS LUCIA SHIRLEY
Supervisor Operating Room

MISS ETHEL SHORE
Supervisor Obstetric Units

MRS. DAWN STRIKER
Supervisor Nursing Service





DR. JOHN E. DAVIS, JR.
B.S., M.A., Ph.D.
Anatomy and Physiology



MRS. H. C. LAURMAN
B.S., M.A.
Chemistry



DR. JOHN R. EARLE
B.A., M.A., Ph.D.
Sociology



CHAPLAIN KENNETH BURNETTE
B.A., B.D.
Psychology

Social Sciences



CHAPLAIN WALTER SANDERS
A.B., Th.M., Th.D.
Religious Courses



MRS. MARY LOU MOORE
R.N., B.S.N.
History of Nursing



MRS. CARY WALSH
Librarian



MISS ANNA BARBEE
R.N.
Coordinator
Fundamentals of Nursing

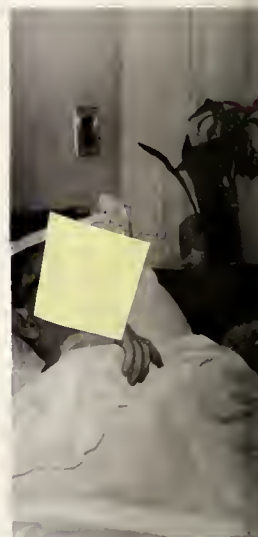
MRS. GAIL BENSON
R.N., A.B.
Instructor in Nursing

MRS. PATRICIA BEVIS
R.N., B.S.N.
Instructor in Nursing



Medical — Surgical

MRS. MARY BEN STROUPE
R.N., B.S.N.
Instructor in Nursing



MISS CAROLYN WILLIAMS
R.N., B.S.N.
(Educational Leave)



MRS. RUBY ROBEY
B.S.
Instructor in Nutrition
Diet Therapy





MISS MARY ANN BREWER
R.N., B.S.N.
Coordinator
Medical-Surgical Nursing

MRS. GEORGIA BOGGS
R.N.
Instructor in Nursing

MISS MARGARET CAMPBELL
R.N., B.S.N.
Instructor in Nursing

Nursing



MISS HELEN DRASH
R.N., B.S.N.
Instructor in Nursing

MISS CAROLYN DURHAM
R.N., B.S.N.
Instructor in Nursing

MISS CAROL ELLEDGE
R.N., B.S.N.
Instructor in O.P.D.

MISS JOAN EYSENBACH
R.N., B.S.
Instructor in Nursing



MISS MARY LOU REITZ
R.N., B.S.P.H.N.
Instructor in Nursing



| Operating Room



MRS. FONDA STEPHENSON
R.N., B.S.N.
Instructor in Operating Room
Nursing



MISS SADIE BAILEY
R.N., B.S.N.E.
Instructor of Obstetrics

MISS MILDRED FLOYD
R.N., B.S.P.H.N.
Instructor of Obstetrics



| Obstetrics



MISS ANN LORE
R.N.
Instructor of Pediatrics

MISS ESTHER TESH
R.N., B.S.N.
Instructor of Pediatrics



| Pediatrics



| Psychiatry



Students



Seniors
Senior Superlatives
Juniors
Freshmen





Seniors



SUSAN WEAVER SUMMERS
Greensboro, N. C.
President



MERIBETH ELAINE
GROOMS
Harrels, N. C.
Vice-President



LINDA CORA HALE
Aulander, N. C.
Secretary



JOANN ELIZABETH
MEADOR
Reidsville, N. C.
Treasurer



SHEILA KAY
WILLARD
Mt. Airy, N. C.
Social Chairman





MARY ELLEN BARSHINGER
Timonium, Md.



FLETA MARLENE BEAN
Greensboro, N. C.



LULA FAYE BOGER
Mocksville, N. C.



SHIRLEY CONNELL
BRINKLEY
Thomasville, N. C.



JANICE LEE BROWN
Kincheloe AFB, Mich.



ANITA SUE COHN
Winston-Salem, N. C.



HELEN LOUISE DAVENPORT
Mt. Airy, N. C.

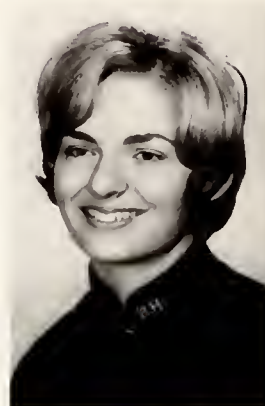
PHYLLIS JANE DAVIS
Graham, N. C.

JUDITH ANNE EZZELL
Rocky Mount, N. C.



SANDRA FAYE
FOWLER
West Columbia, S. C.

SHARON LOUISE
FREER
Mt. Airy, N. C.



JUDITH CAROL
GRIFFIN
Oak Ridge, Tenn.

BILLIE DIANNE
GULLEDGE
Wilmington, N. C.





CAROL ELAINE HARTMAN
Charlotte, N. C.



SUSAN ELLEN HAUSER
Winston-Salem, N. C.



PATRICIA JEAN HOLT
Winston-Salem, N. C.



JUDY KAY JESSUP
Pilot Mountain, N. C.



SHARON LEE JONES
Mt. Airy, N. C.



RACHEL ELIZABETH
KEITH
Charlotte, N. C.



SYLVIA JEAN KRUGER
Raleigh, N. C.



WANDA GAYE
LINEBERRY
Galax, Va.

ONA GAIL MERCER
Beulaville, N. C.



MARILYN ANN MOE
Winston-Salem, N. C.

EMMA SUSAN MYRICK
High Point, N. C.



JANE ELIZABETH NANCE
Franklinville, N. C.

ELLA RUTH ODOM
Fayetteville, N. C.

HILDA MARLENE
PARDUE
Cycle, N. C.





JUDY ELEANOR
PARNELL
Fayetteville, N. C.

PHYLLIS JANE PEARCE
Pleasant Garden, N. C.



DENICE ANNE QUINN
Burlington, N. C.

CAROLYN LEE SIMMONS
Williamston, N. C.



SHIRLEY HOLLIFIELD SPARKS
Spruce Pines, N. C.

PAULA ELIZABETH STEELE
Greensboro, N. C.

FAITH MARIE STELTER
Winston-Salem, N. C.



LINDA CAROL STEWART
Greensboro, N. C.

VERA DELORES
STEWART
Glenallen, Va.



JON KENT
STOCKHAM
Anita, Iowa

BRENDA CAROL
SULLIVAN
Mt. Olive, N. C.



LYNN HESTER
TAYLOR
Durham, N. C.

SUSAN GAIL
THEILING
Charlotte, N. C.





DIANNE THORNAL
Wilmington, N. C.

CAROLE RAY TRANSOU
Rural Hall, N. C.

DANA FAY TYSINGER
Lexington, N. C.



PAMELA SUE UZZELL
Cary, N. C.

ELIZABETH ANN
WARLICK
Shelby, N. C.



CATHY LYNN
WILLIAMS
Wilmington, N. C.

ELEANOR ELIZABETH
WOLFE
Wilmington, N. C.



SENIOR SUPERLATIVES

1. MOST LIKELY TO SUCCEED Kent Stockham
2. BEST ALL ROUND Susan Summers
3. MOST TALENTED Paula Steele
4. MOST PROFESSIONAL Beth Wolfe
5. MOST DEPENDABLE Sandra Fowler



1.



2.



3.



4.



5.



1.



2.



3.



4.



5.

SENIOR SUPERLATIVES

1. WITTIEST Cathy Williams
2. FRIENDLIEST Beth Grooms
3. MOST ATTRACTIVE Janice Brown
4. CUTEST Sheila Willard
5. MOST INTELLIGENT ... Elaine Hartman



Juniors



Susie Landreth
President



Sandra Wells
First Vice-President



Connie Bumgarner
Second Vice-President



Patricia Payne
Secretary



Connie Nelson
Treasurer



Patti Greeson
Social Chairman



JULIE ALBRIGHT

JUDI ALEXANDER





DALE BROWN

SHELBY COLLINS

GAYLE CORLETT

GAIL COWAN

JANICE CROUSE



DIANNE
CRUTCHFIELD

CLAUDIA CULPEPPER

LINDA CURTIS





CAROLYN W. DAHMER



BECKY DEWITT



RICKEY FRITTS



DAVID FULTON



DONNA GROPP



SHERRY HATCHER



BETTY HERRIN



SHEILA
HUNTZINGER



LYNN INSCOE





PEGGY JONES
SUE LINK

DINAH KEESEE
VICKIE LOMAX



NANCY McADEN

SUZANNE McKINNEY

MARCIA McKNIGHT



JEANNIE MOBLEY

BARI MOONEY

ALICE MOORE



JUDI MOORE

BRENDA MORRIS



MARSHAE PEACE

BRENDA PERRY

CAMMIE PHILLIPS



PAM PICKARD

LINDA RATLEDGE

BOB SMITH



FAY SNIPES

SHERYL SPIKES

SHEILA SQUIRES



PAT TARLTON

DONNA WHITE

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Nancy Berry



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Helen Boykin



Nancy Brower



Nita Bryant

Emily Cable

Judy Campbell

Dorene Caudill

Linda Cofer



Brenda Colandrea

Sarah Cole

Debby Collins

Becky Costner



Becky Couch

Glenda Daulton

Joy Craig

Martha Deitz

Jolene Crawford

Deborah Dionis

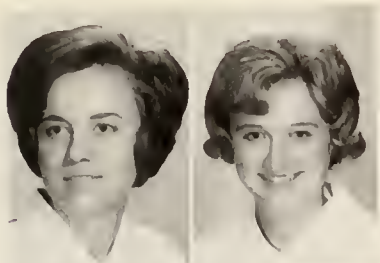


Sylvia East

Linda Edmisten

Lynne Edwards





Sarah Edwards



Rebecca Ford



Jane Grose

Carol Gundlach



Martha Hall

Patsy Halsey

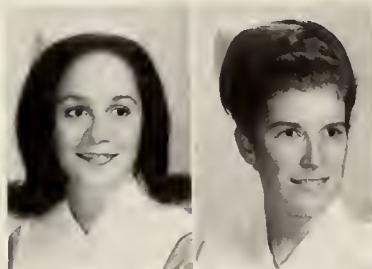
Carolyn Hedrick



Sheila Hightower

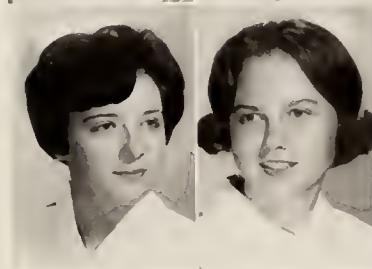
Betty Holder

Pam Hoyer



Laura Huffman

Sheryl Hutcherson



Beth Ikenberry

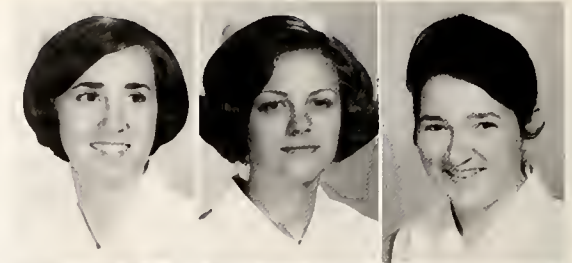
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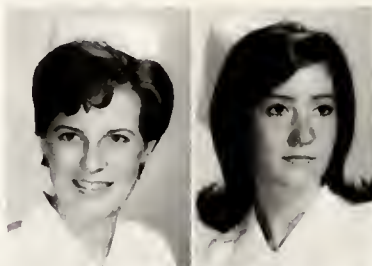
Joanne McAuliffe

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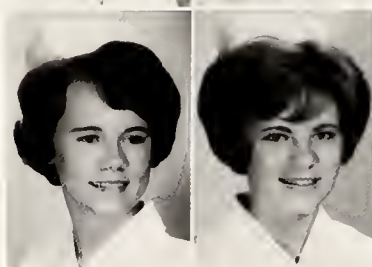
Joan Moenkhaus

Gale Moser



Carolyn Naylor

Ruth Newsome





Nancy Newsome

Brenda Norman

Pat Phillips

Phyllis Phillips

Pat Pittman

Vickie Powell

Jane Randall

Gloria Richardson



Nancy Russell

Linda Sharp

Nancy Sherrill

Kathy Starling

Rosemarie Tindall

Ann Williams



Jackie Woody

Lola Wright



Features



Organizations

Fall

Winter

Spring

Summer





| Student Government



1



2



3



4

1. Installation of Student Government officers Kent Stockham, Carolyn Simmons, Dinah Keesee, Lynn Taylor, Anita Cohn, Marlene Bean, Brenda Morris, Denice Quinn, Susan Summers, Mary Young, Judy Alexander, Paula Steele, Carol Transou, Shirley Sparks, Pam Uzzell, Elizabeth Warlick, and Judy Griffin.
2. President Kent Stockham presides at a Government meeting.
3. Government officer Marlene Bean participates in a program promoting better school spirit and participation.
4. First Vice-President Carolyn Simmons fills the office of President while Kent affiliates at Dorothea Dix.



1

1. Student Council members Sue Green, Paula Steele, Sandra Fowler, Judy Griffin, Susie Landreth, Dinah Keesee, Mary Young, Helen Boykin, Anita Cohn, Judy Alexander, Denice Quinn, Gayle Corlett, Marlene Bean, Carolyn Simmons, and Faculty Advisors Miss Ann Lore and Miss Carolyn Durham.
2. Council advisors Miss Lore and Miss Durham attend an informal Christmas meeting.
3. Marlene Bean, Honor Council chairman, presides at a meeting.
4. Honor Council members Janice Crouse, Lynn Inscoe, Marlene Bean, Dinah Keesee, Phyllis Pearce, Martha Hall, Carolyn Simmons, Joy Craig, Fay Snipes, Judy Ezzell, Pam Hoyer, and faculty advisors Mrs. Ruby Robey and Miss Mary Lou Reitz.



3



2

Councils



4

Santa Filomena



2



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4



3

1. Faith Stelter studies by the "light of the lamp."
2. Carolyn Simmons receives her pin from an old member.
3. Sandra Fowler demonstrates the earnestness with which each task must be undertaken.
4. Santa Filomena members Kent Stockham, Susan Summers, Sandra Fowler, Lynn Taylor, Carolyn Simmons, Marilyn Malcolm, and Faith Stelter.

Christian Student Fellowship



2



1



3



4

1. Freshman singing group participates in Christian Student Fellowship meeting.
2. Senior Linda Hale presides at Thursday Vesper service.
3. Vespers provide a time of meditations for all students.
4. Freshman finds Davis Chapel a welcome relief.

| White Matter



2



1



4



3

1. Co-editor Judy Griffin confers with Business Manager Sheila Willard.
2. Elizabeth Warlick, co-editor, and Mrs. Fonda Stephenson, faculty advisor, make plans for the final copy of the *White Matter*.
3. Other staff members include Business Manager Denise Quinn and her staff — Phyllis Pearce, Faye Boger, Hilda Pardue, Sandra Fowler, Beth Wolfe, and Jane Nance; Copy Editor Shelby Collins; Photographers Linda Stewart and Ona Mercer.
4. Selling ads is the major function of the business staff.



Placebo

1. *Placebo* Staff members Editor Shirley Sparks, Co-editor Pam Uzzell, and other members Sandra Wells, Mary Young, Carol Transou, Paula Steele, Phyllis Davis, Faith Stelter, Dale Brown, Vickie Powell, Billie Gullege, Rachel Keith, Linda Curtis, Gayle Corlett, and Shelby Collins.
2. Editor-in-chief Shirley Sparks discusses future *Placebo* edition with staff members.
3. Linda Curtis busily types the next edition.
4. A freshman eagerly combs through the latest edition.
5. The next *Placebo* cover comes into being under Paula Steele's artistic hand.



The Master Artist touches up some solitary tree with the gorgeous tints of autumn. A splash of scarlet, a splash of gold. The morning sun enhances the bold colors through the dew drops and morning haze.

A time of beginning . . . New faces appear, hungry for the bitter taste of life's true meaning, eager to learn, eager to do. Faces full of dreams, of hopes for the world. Youth, much like the stately tree, having budded and bloomed, is now prepared to spread foliage — its ideas and beliefs — to make the world more beautiful.

A time of changes . . . For some, the metamorphosis begins. For others, it continues. Strengthened by the cuts and bruises of disillusionment, we mature. We reach another plateau, acquire a new status with added responsibilities. As the autumn leaves fall, making way for the new buds, for new growth, so do the ways of youth, making way for the budding young adult.



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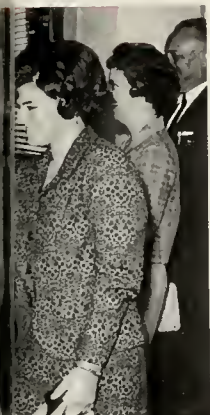


3



5

1. Tanglewood offers relaxation for students in the fall.
2. Picnic honoring new freshmen is welcomed by everyone.
3. Upperclassmen give new freshmen and their parents a helping hand.
4. Smiling faculty and freshmen meet for the first time each fall during registration.
5. Beautiful fall days find freshmen meditating.
6. Seniors amuse everyone with skit at annual Halloween party.
7. Bake sells are held often throughout the year to supplement class funds.
8. All agree that the most fun at Halloween parties comes with the witty faculty skits.



4



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6



8

The world has grown gray. Grim trees seem like troubled men in prayer. Piercing winds chill the air. The first snowflakes fall and soon the earth is warmed with a fluffy white blanket of snow. A stillness pervades. The glow of the stars light up the solemn tree of winter.

Laughter breaks the silence. A snowball is hurled through the air. The sound of jingling bells, pictures of a fat little man with a long white beard . . . Christmas. The sounds of a sax, the rhythm of the drums — a beauty queen and her court.

New Years . . . confetti, champagne, a time of introspection and resolutions. Hopes for the future prevail with regrets of the past lurking menacingly.

Tenets of love, candy and flowers, the birthdays of great men. A new day dawns and with it the snow disappears. Spring will come. Of that, there is no doubt.



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3

1. Faye Boger and Anita Cohn agree that the snow is fun and COLD!
2. An aerial view of the hospital grounds in winter . . .
3. Festive unit, Christmas brightens spirits.

Christmas



Janice Brown
Senior



Connie Bumgarner
Junior



Debra Dionis
Freshman



Sandra Fowler
Senior



Shelby Collins
Junior



Cynthia Keeter
Freshman

Court '66



Susan Summers
Senior



Pat Payne
Junior



Ruth Newsome
Freshman



Susan Summers
Christmas Queen



Shelby Collins
Maid of Honor





3

1. Long tapers graced the refreshment table.
2. The Dukes provided a lively musical atmosphere.
3. A few moments rest before the next dance.
4. The Christmas Court dances in honor of its queen.
5. Last minute preparations for the big night.
6. Dr. Timothy Pennell, master of ceremonies, introduces the Christmas Court.



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The wonders of spring begin to show, changing the ice — the cold — the snow. To murmurs of the rain at play — the warmth of growth — green grass and budding trees. A new kind of beauty is disclosed.

This is a time for renewal — of hopes, of faith, of strength — a time for humble prayer, rededication. A time for creativity, for beginning, for growing.

It is a busy time — of preparation, of sharing, of learning, of playing — dancing girls and beauty queens, roses and crowns, a little more laughter, a few more tears . . . echoing halls where gentleness has trod.



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1. Paddle boats at Tanglewood are very inviting in the spring.
2. Debuante Julie Albright made her debut at a spring ball in Durham.
3. Spring banishes all thoughts of study, indoors, that is.



Follies



Miss Helen Davenport
SENIOR



Miss Jeannie Mobley
JUNIOR



Miss Deborah Collins
FRESHMAN



Miss Sylvia Kruger
SENIOR



Miss Patricia Payne
JUNIOR



Miss Cynthia Keeter
FRESHMAN

Court '67



Miss Denice Quinn
SENIOR



Miss Marshae Peace
JUNIOR



Miss Jane Randall
FRESHMAN



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9

1. Miss Jane Randall is queen of Spring Follies 1967 with Helen Davenport as her Maid of honor.
2. Lovely was the court of the 1967 Spring Follies.
3. "Another opnin', another show . . . sang the members of the Junior Class.
4. Dr. Tim Pennell, Master of Ceremonies, entertains the spell-bound audience with his humor.
5. Johnny, portrayed by Dr. Perry Clark, meets his doom at the hands of Frankie, portrayed by Shelia Huntzinger.
6. Frankie soon discovers that there are other fish in the sea as the modern version of "Frankie and Johnny" continues.
7. A riverboat medley adds to the 1967 theme of the "Etiology of Jazz."
8. The hospital version of a chorus line.
9. Dr. Dee McFarland entertains with his "Drum Solo."

When the last rains of April have showered prisms of loveliness, the warm rays of the summer sun turn everyone's thought to . . . the "old swimming hole" . . . the warm starlit nights . . . strains of the approaching graduation recessional . . . applications signed "graduate of NCBH" . . . gold bands and wedding bells . . . futures so exciting yet frightening.

This, too, is a time for beginning . . . growing . . . changing . . . full of dreams . . . hopes . . . ideals. Another year is about to begin and through the many doubts, discouragements, and insecurities comes the reply, often hidden but always there — "it really was worth it after all."



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1. Students are quick to pick up barefoot summer ways.
2. Volleyball is one of several sports offered to students near the Kembly Inn pool.
3. Ona, there's a bench behind you.
4. As students we still appreciate family picnics.
5. Summer brings seniors together for tea.
6. That long awaited moment finally comes to deserving seniors.
7. Seniors chosen for Honor Award and Best All Around receive gift from Dr. Richard Young.
8. Seniors solemnly repeat Florence Nightingale Pledge at graduation.
9. Graduates hurry from Wait Chapel to new life that awaits them.





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Acknowledgments

The 1967 *Gray and White Matter* wishes to express appreciation to the following for their co-operation and assistance:

Frank Lock, M.D.
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These are some typical questions and answers in SAM's column — one of the most popular reader services to come along in recent years.

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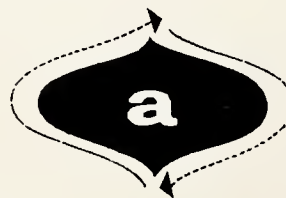
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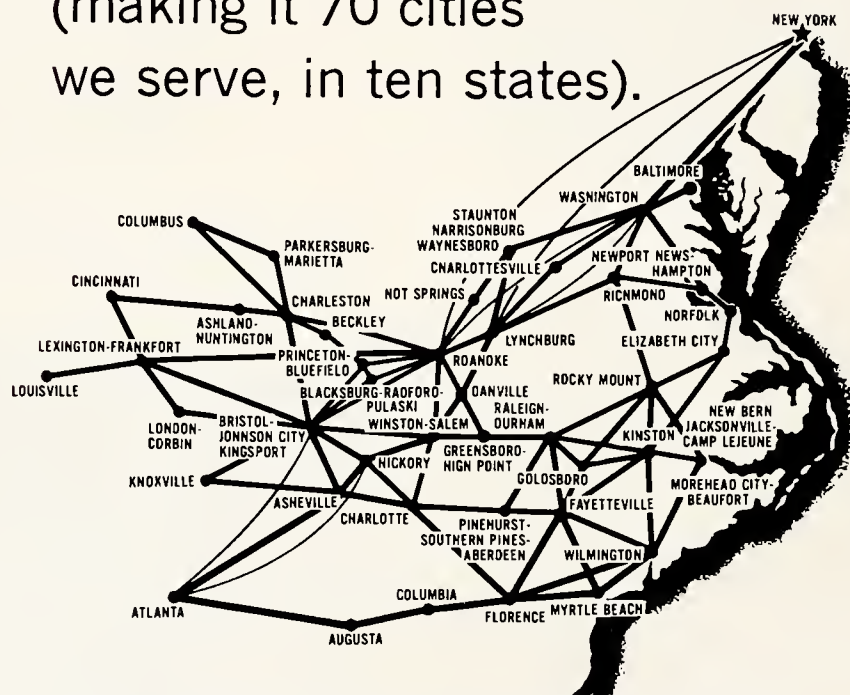
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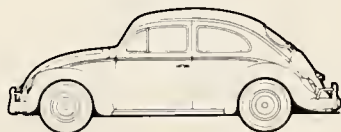
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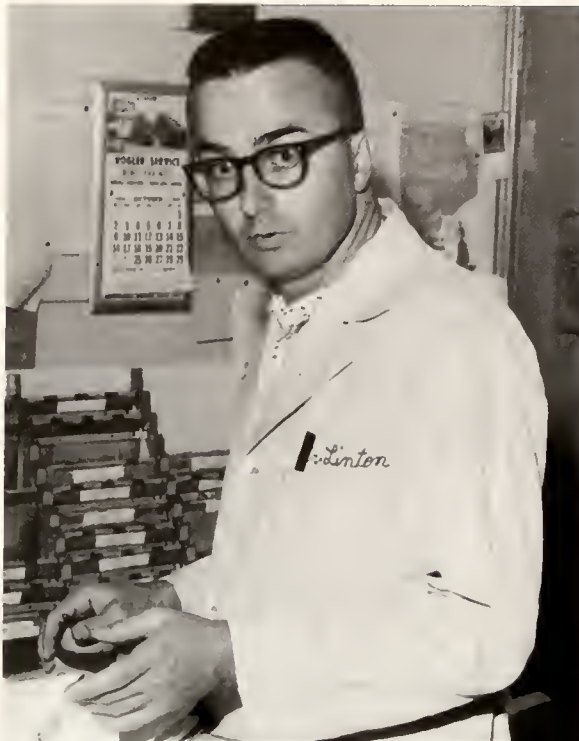
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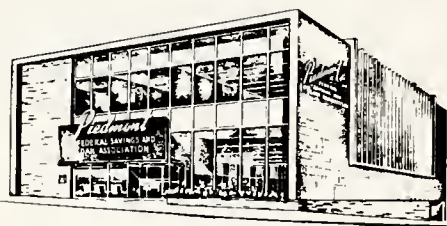
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